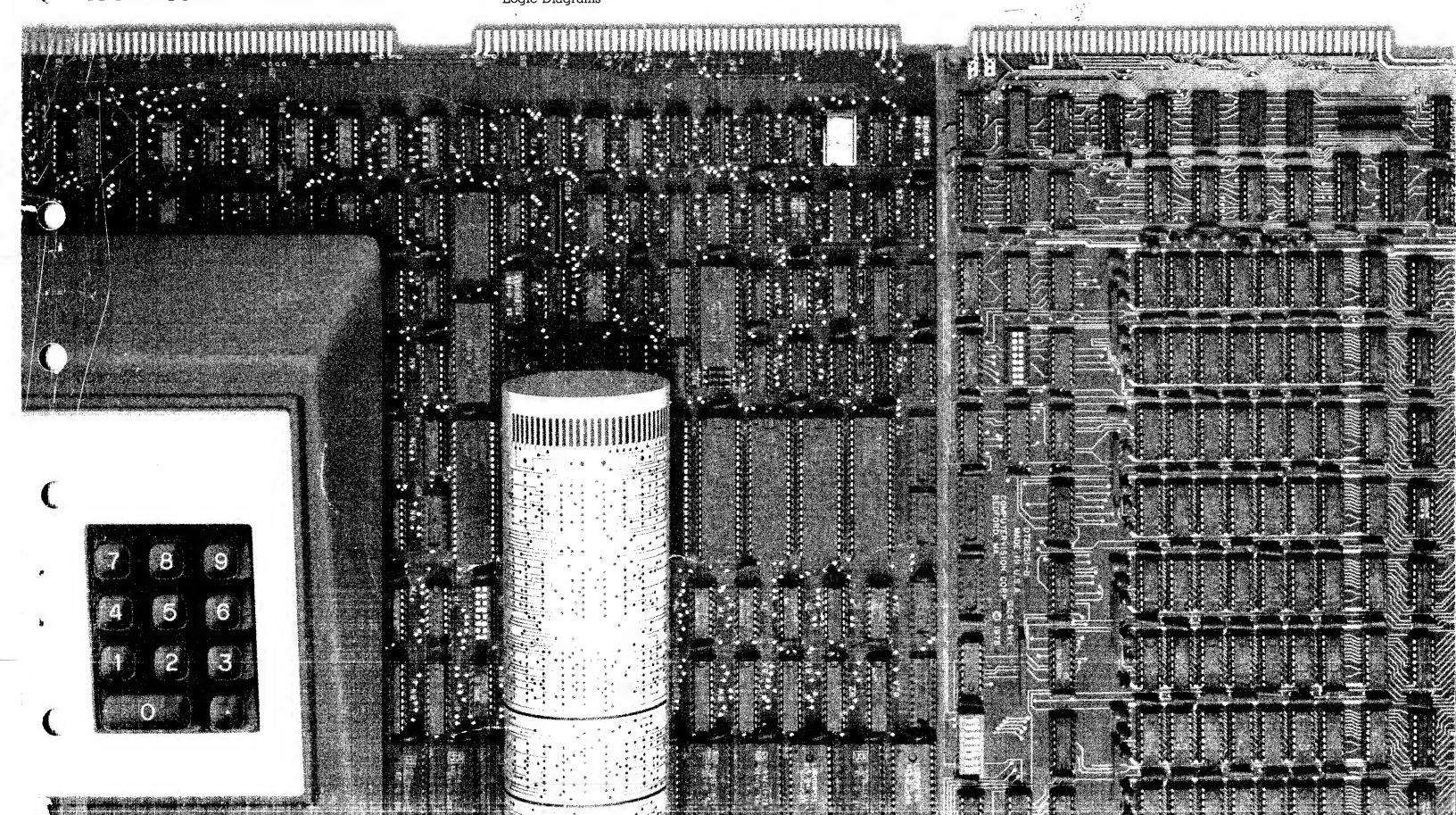


Technical

Graphics Processing Unit (GPU)
Logic Diagrams



Document (control	number:	32-0037	76
Name:				

Graphics Processing Unit Logic Diagrams

COMPANY CONFIDENTIAL

The information and drawings contained herein are confidential and proprietary information of Computervision Corporation and shall not be divulged to any third party without the prior written consent of Computervision Corporation.

Reproduction in whole or in part is forbidden.

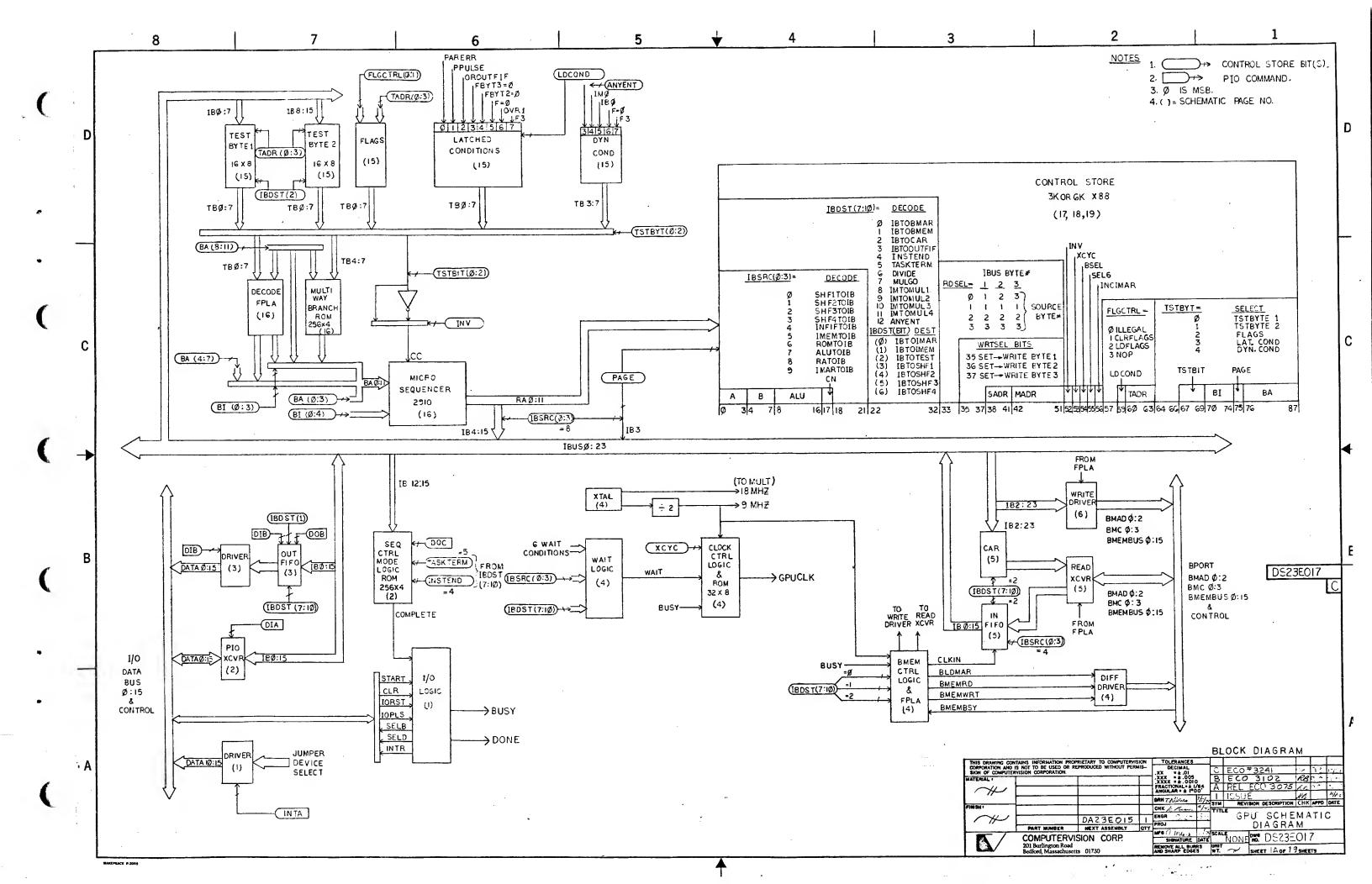
Table of Contents

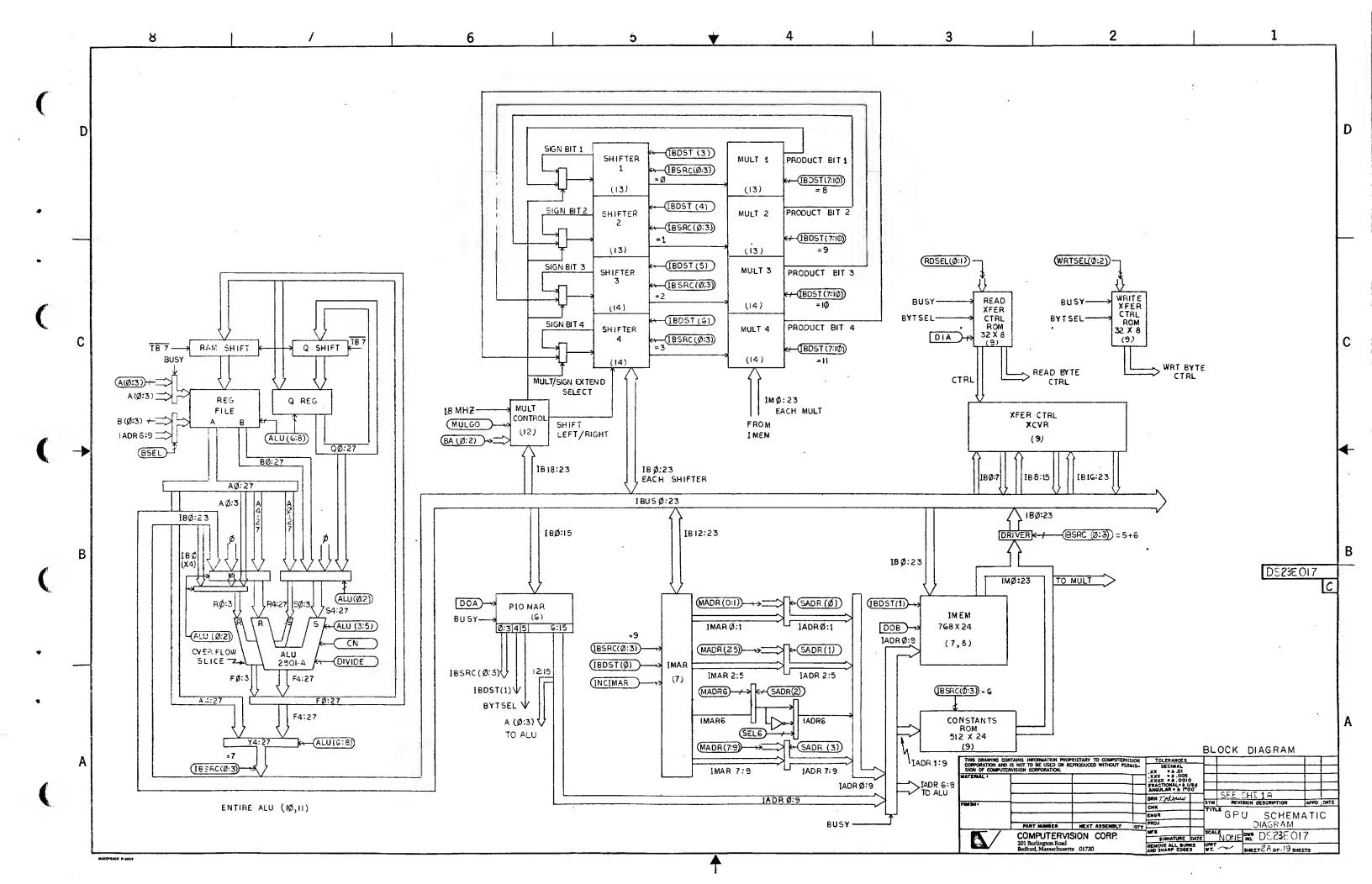
Graphics Processing Unit (Revision C)
DS23E017 (21 sheets)

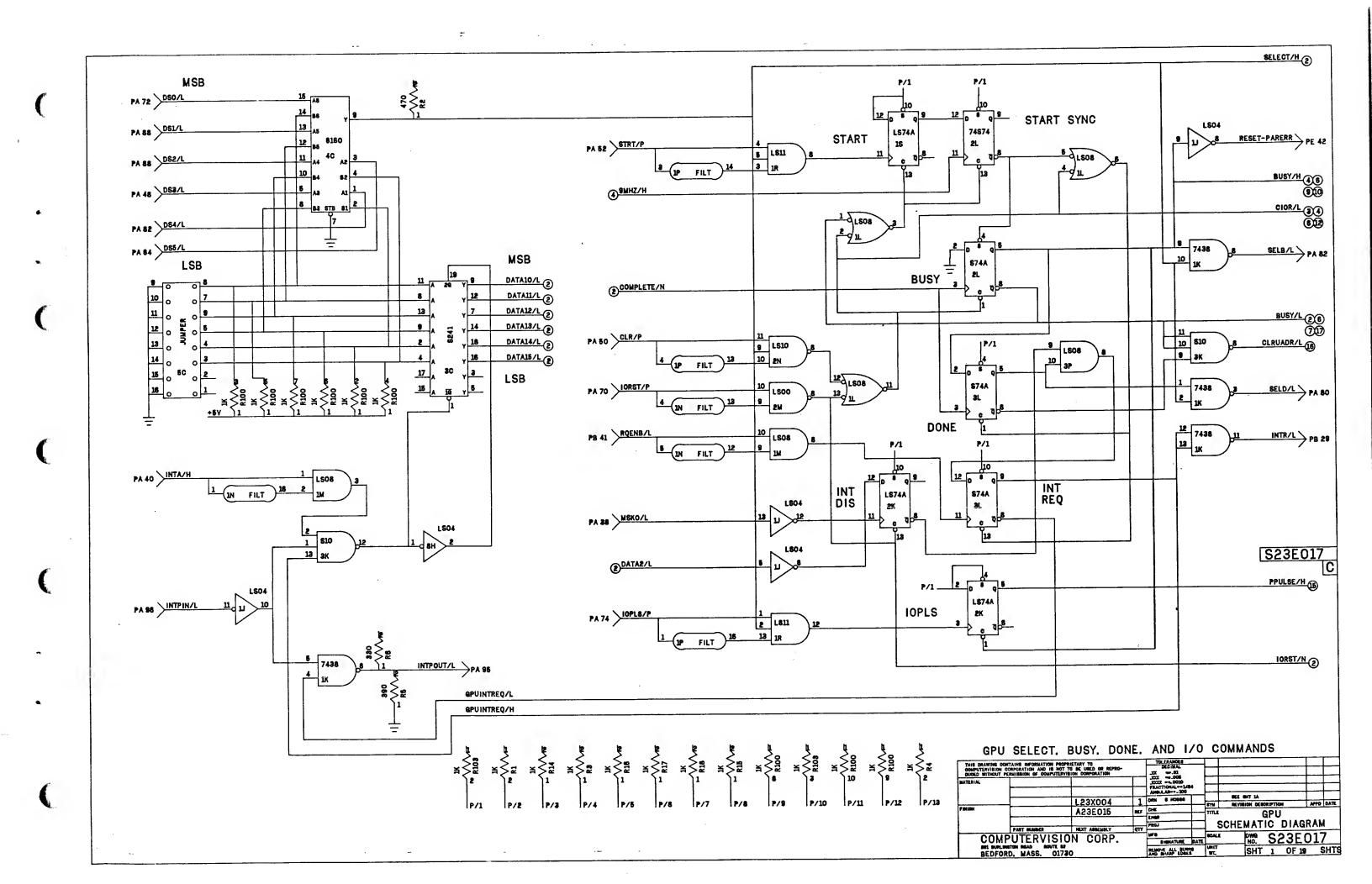
GPU Microprogram Flow Charts (Revision B)
DS21E1065 (30 sheets)

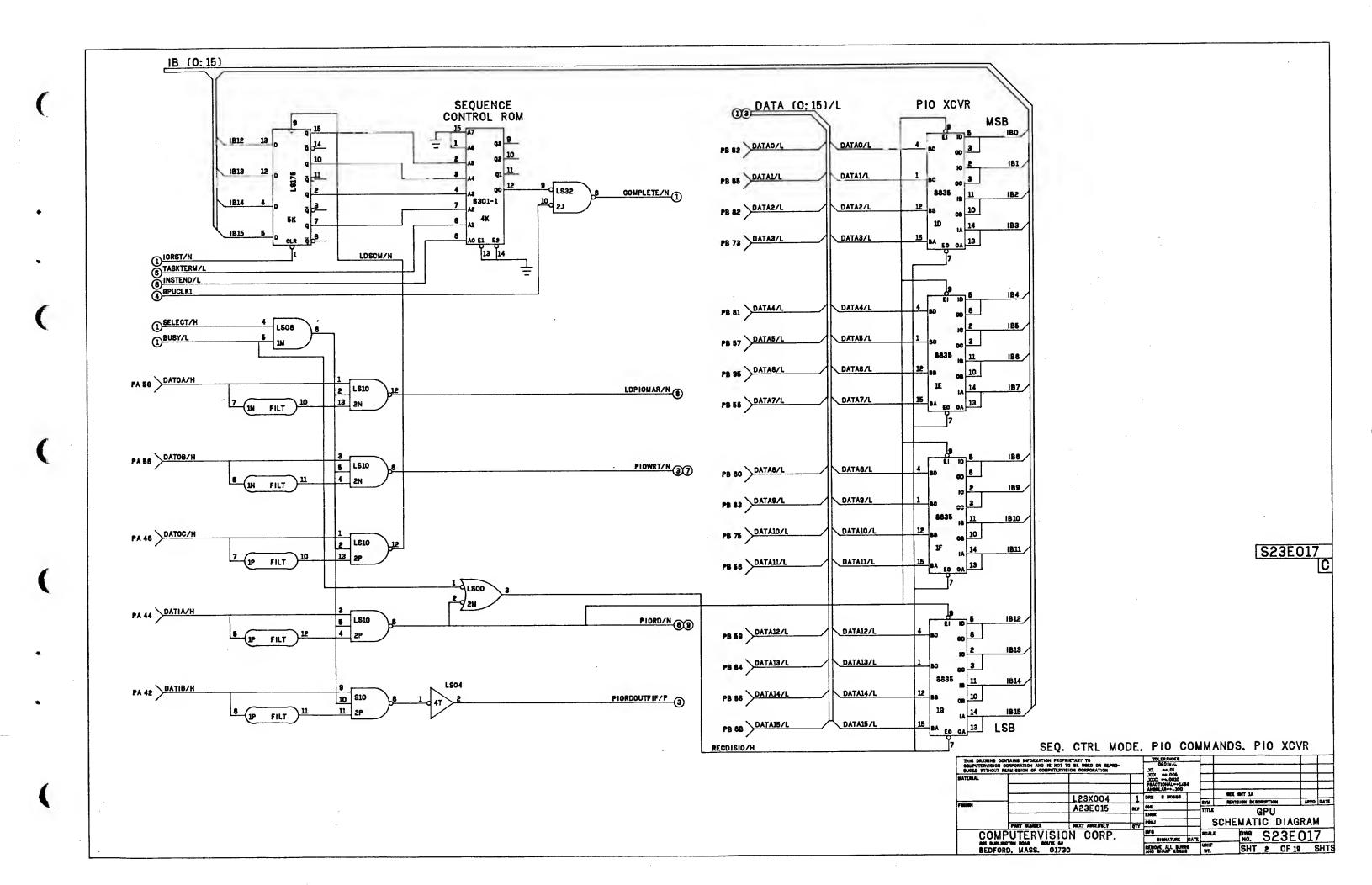
Graphics Processing Unit

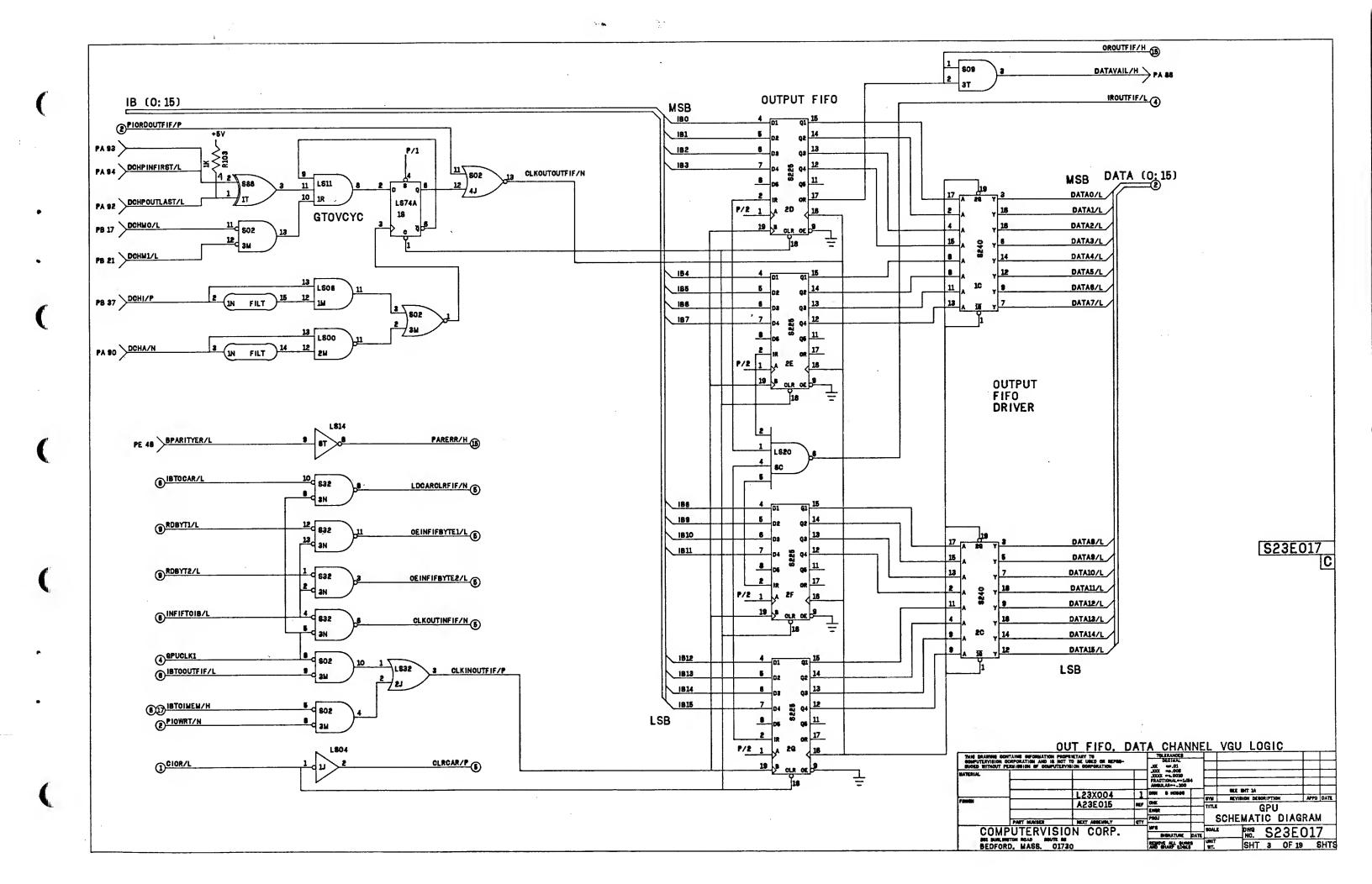
	Sheet No.
Block Diagram	1A,2A
Busy/Done Logic	1
I/O Commands	1,2,6
Sequence Control Mode	2
Output FIFO	3
Data Channel Logic	3
VGU Logic	3
B-Port Memory Control	4
Clock Control	4
Input FIFO	5
B-Port Memory Read Logic	5
IBUS Field Decode	6
B-Port Memory Write Logic	6
Internal Memory Addressing	7
Internal Memory Byte 1	7
Internal Memory Bytes 2 and 3	8
IBUS Transfer Control	9
Constants ROM	9
Overflow	10
ALU Byte 1	10
ALU Bytes 2 and 3	11
Multiplier Control	12
Multiplier/Shifter 1 and 2	13
Multiplier/Shifter 3 and 4	14
Test Byte Generation	15
Microprogram Sequencer	16
Control Store	17-19

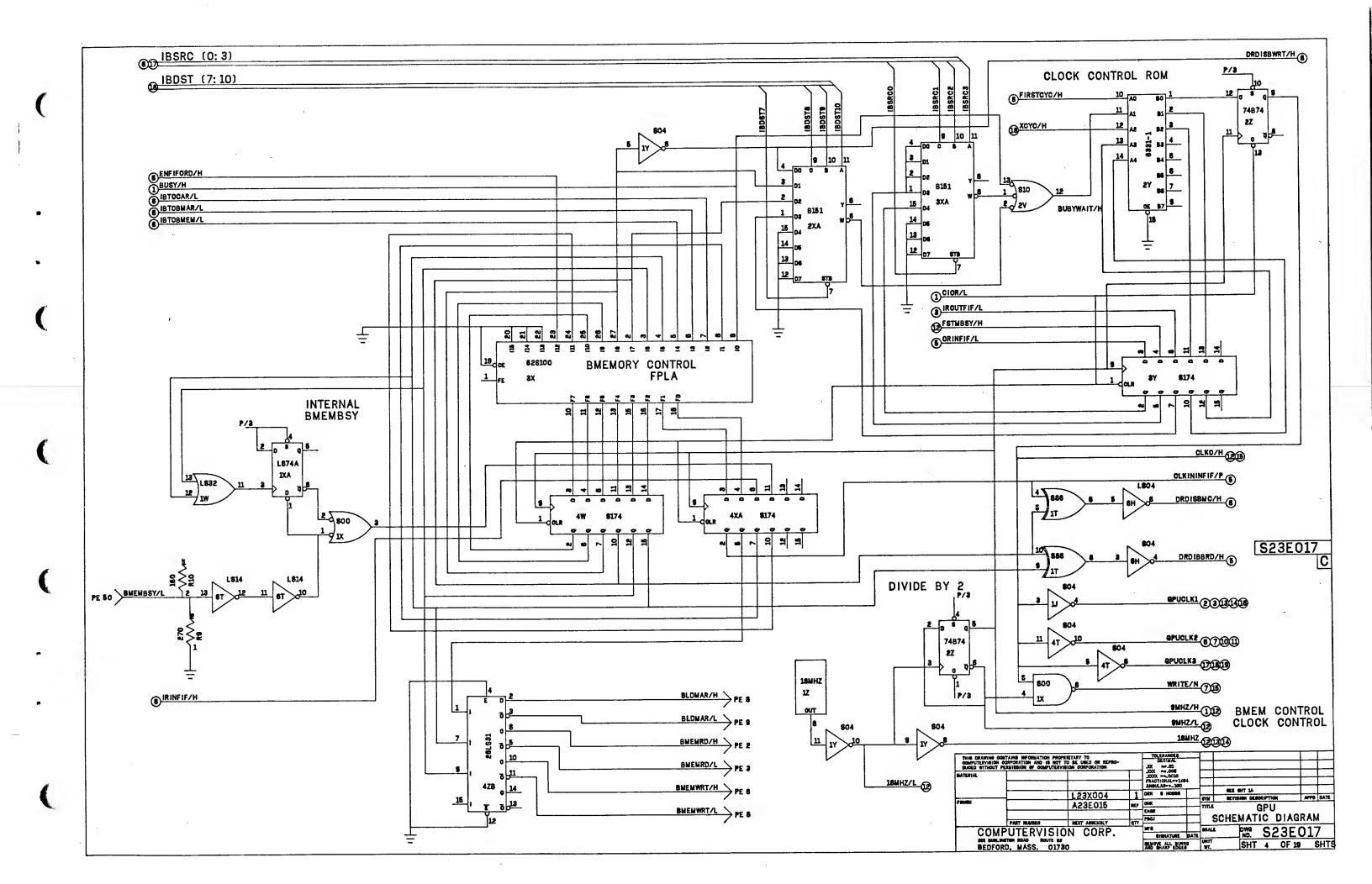


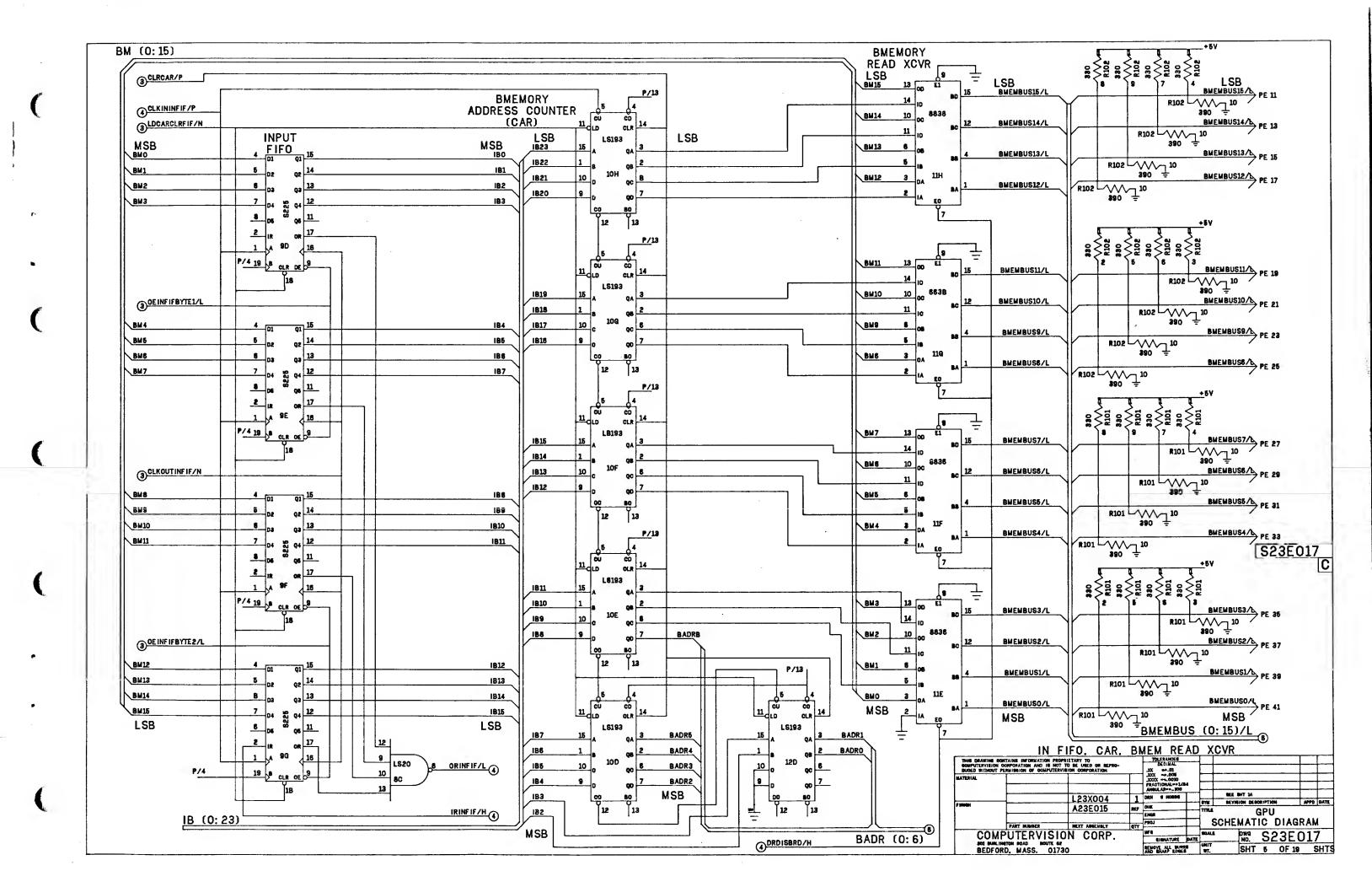


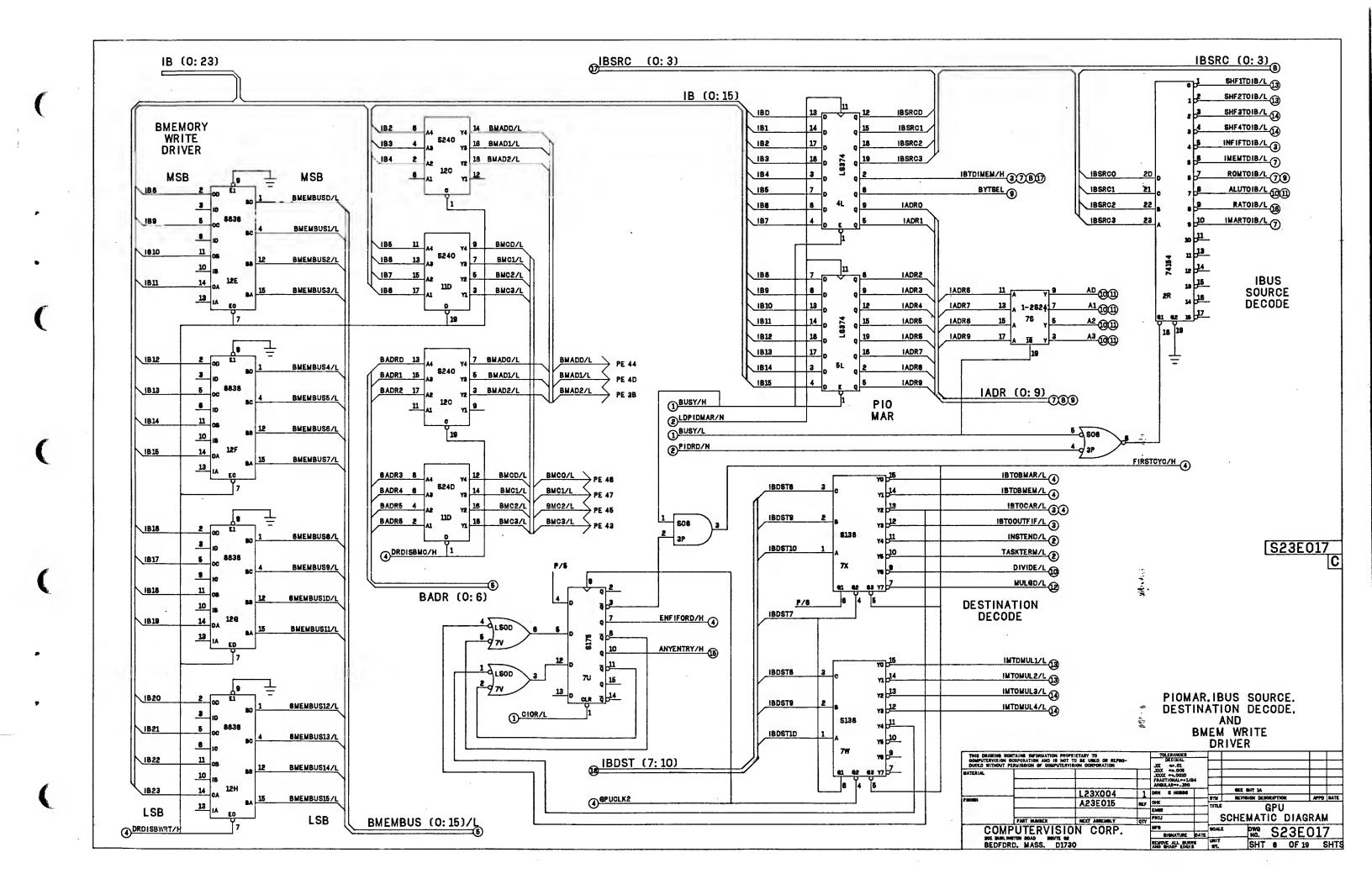


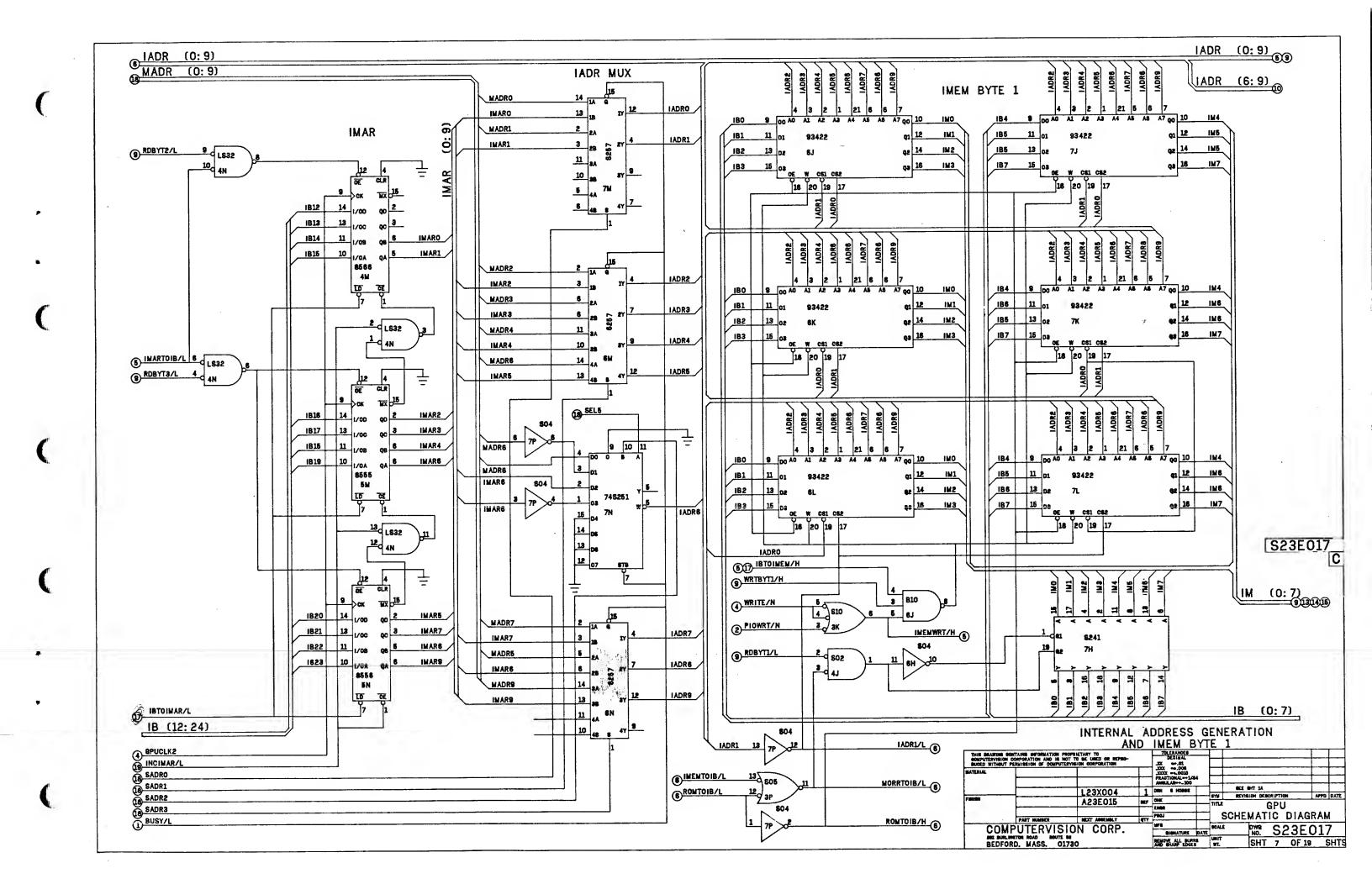


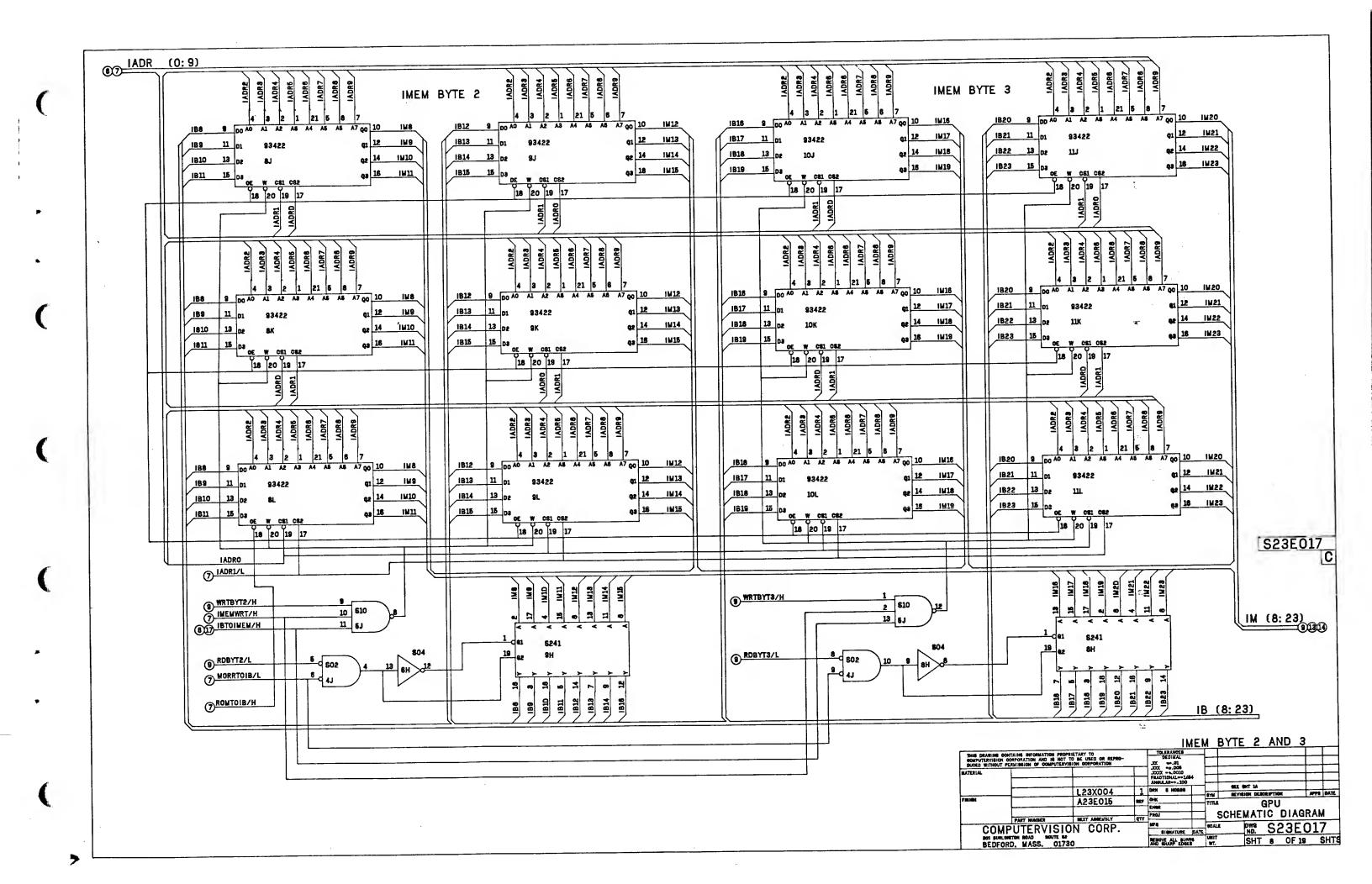


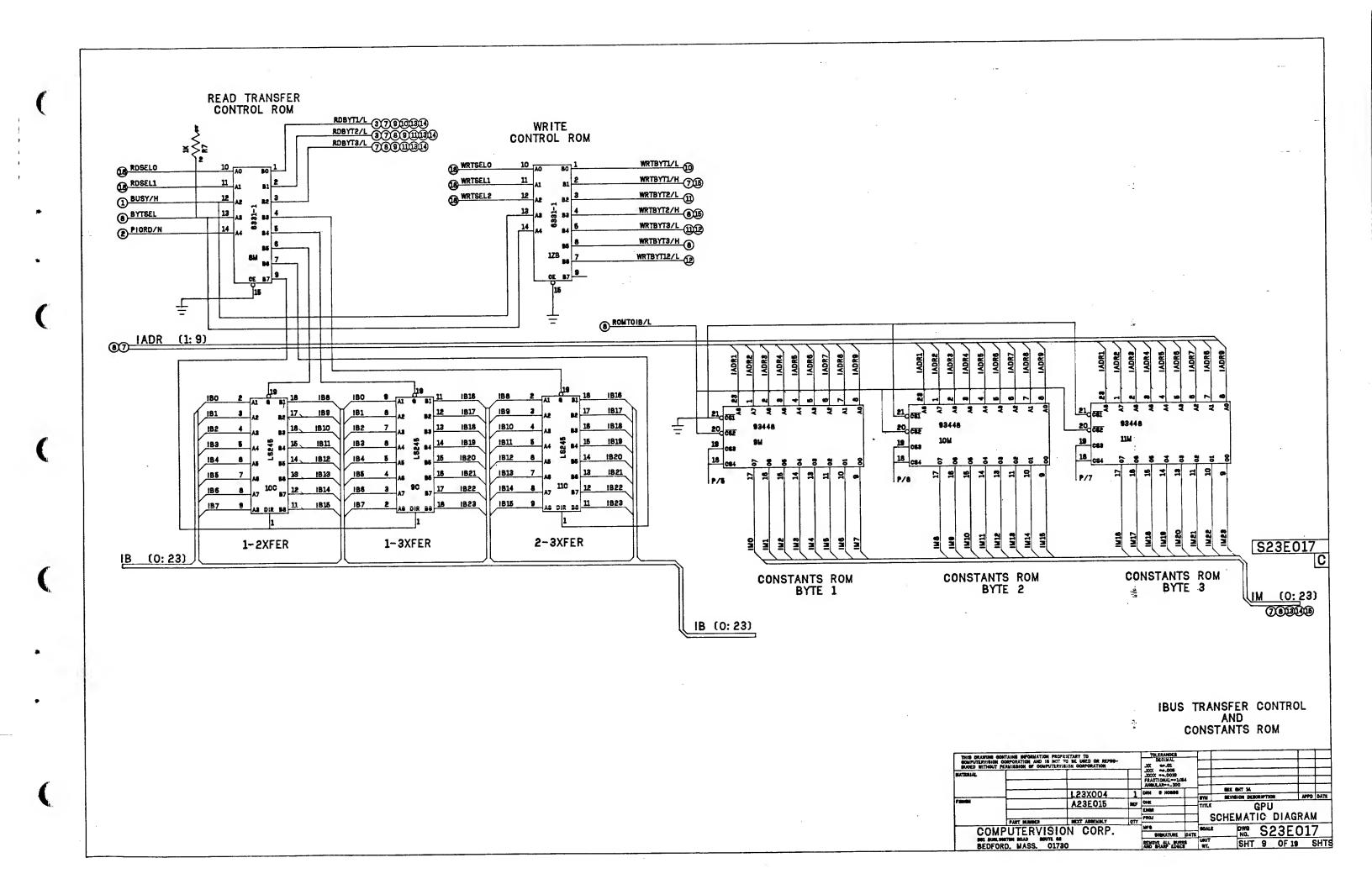


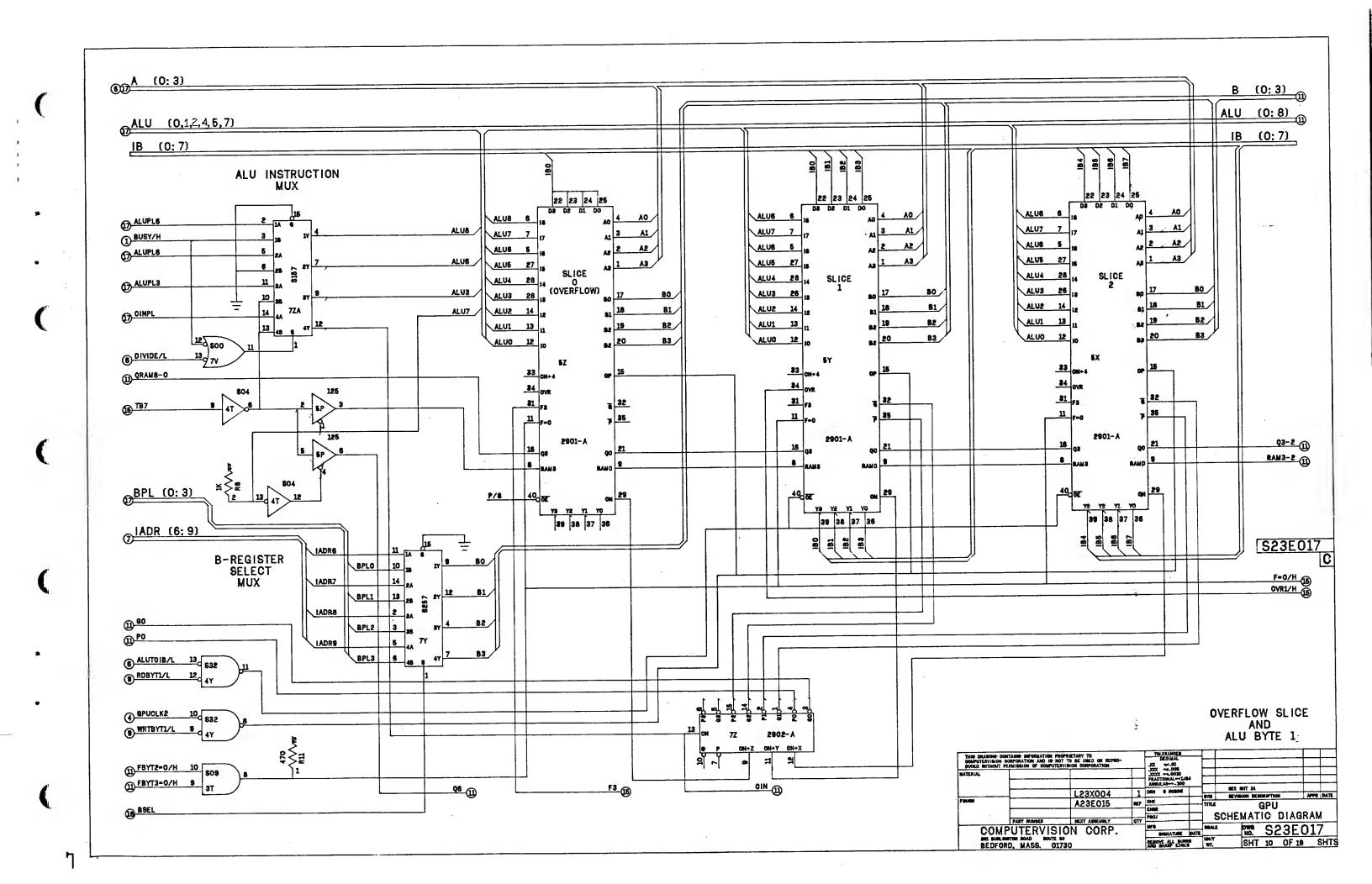


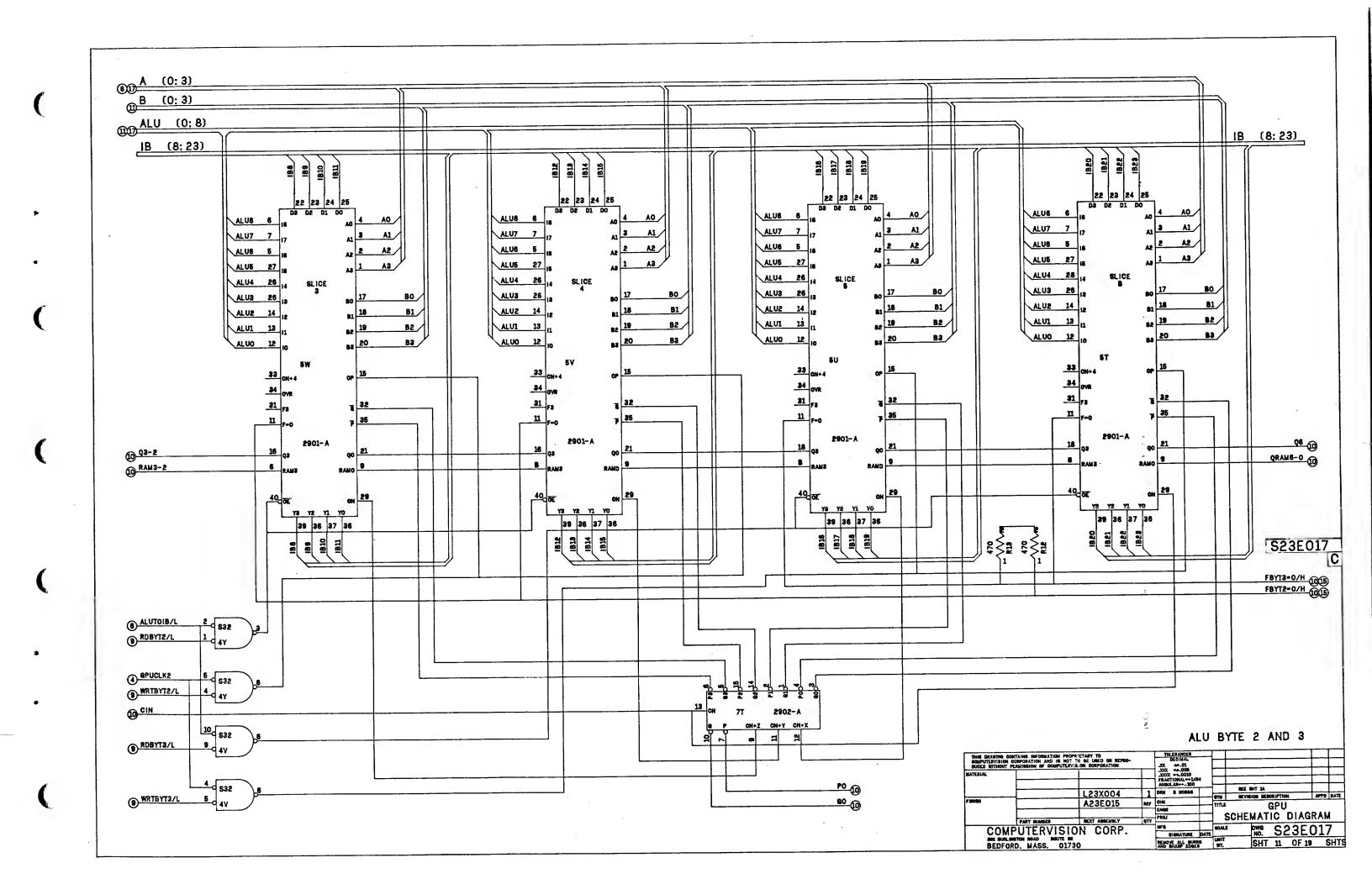


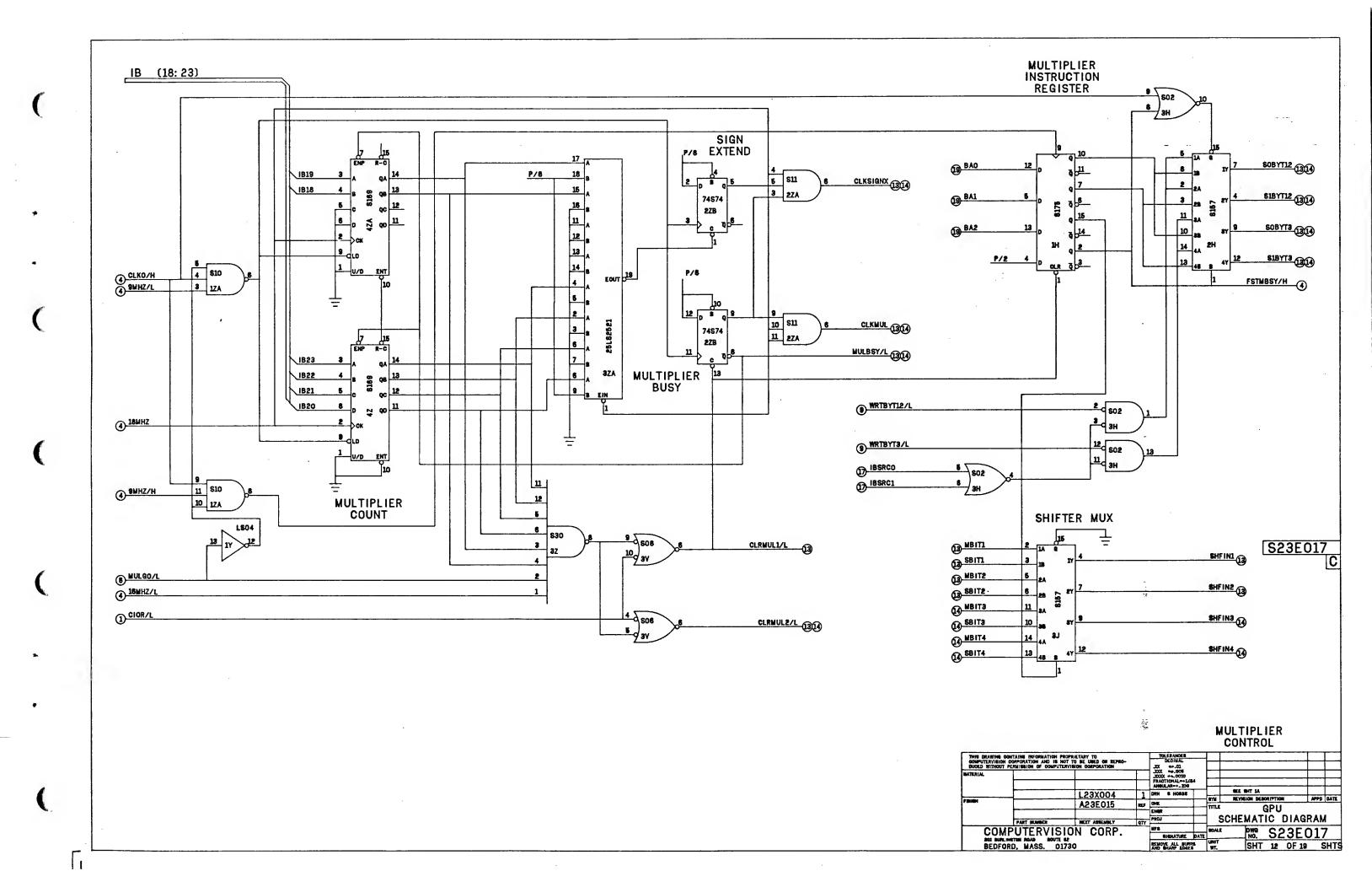


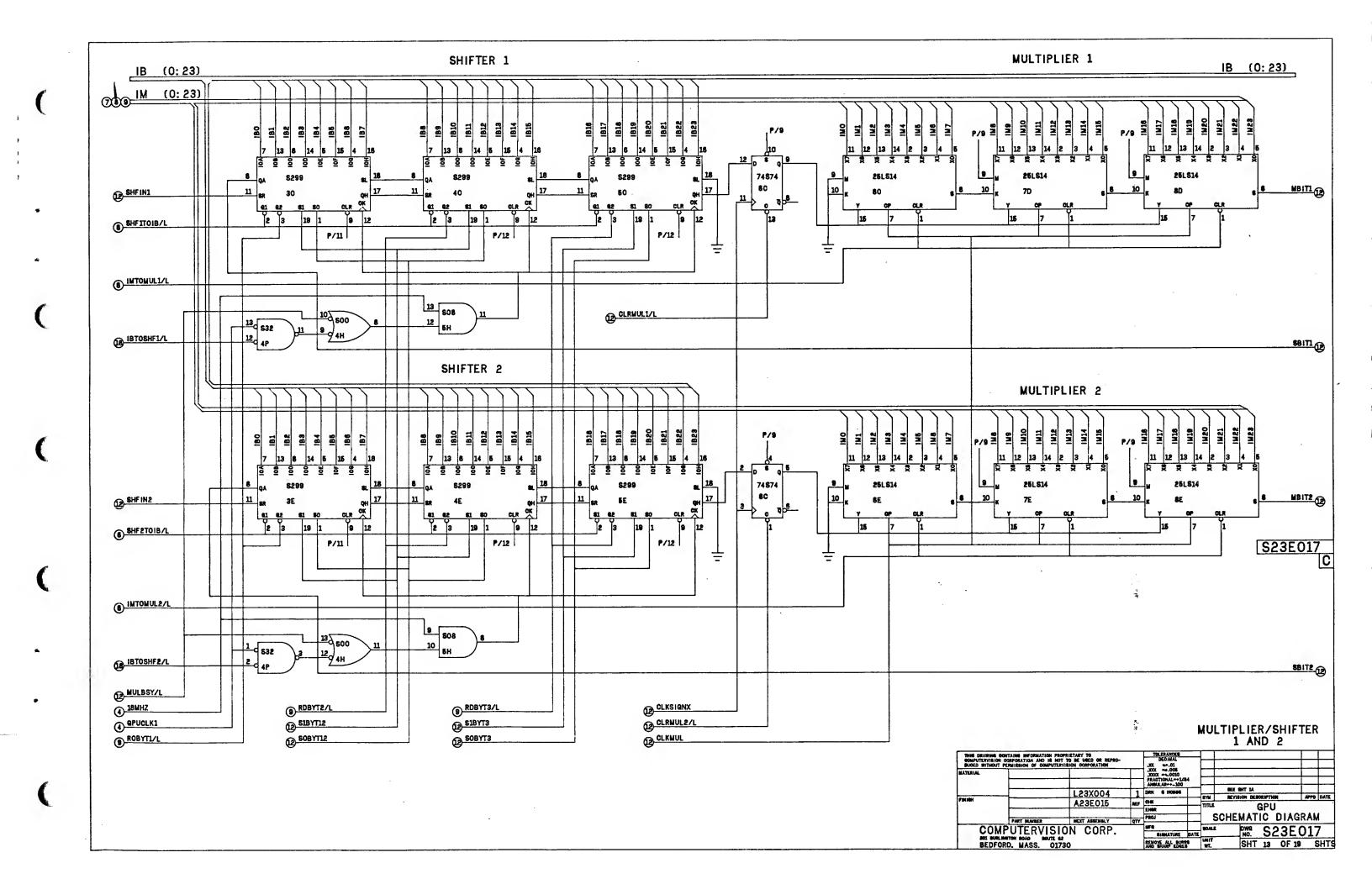


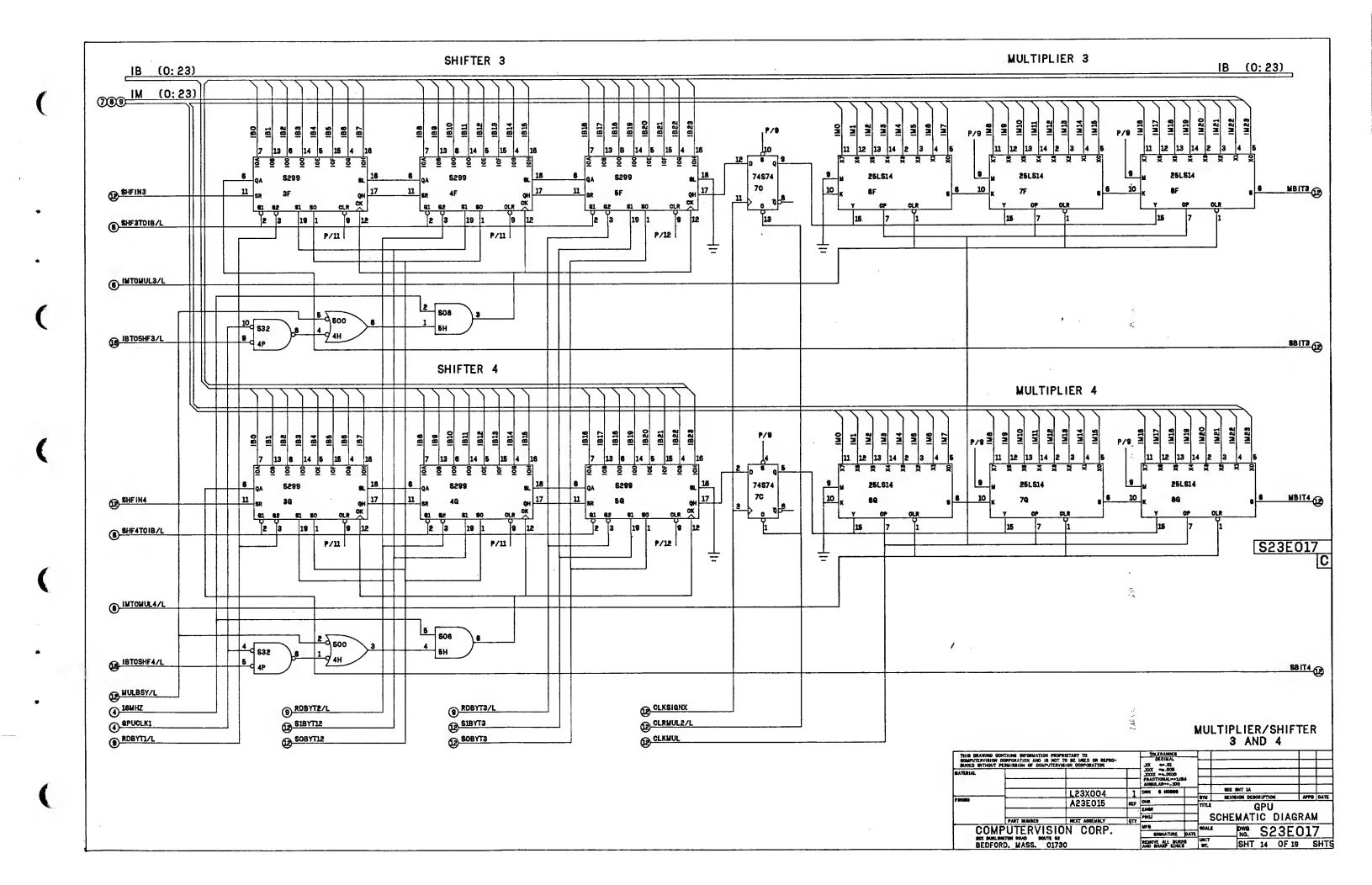


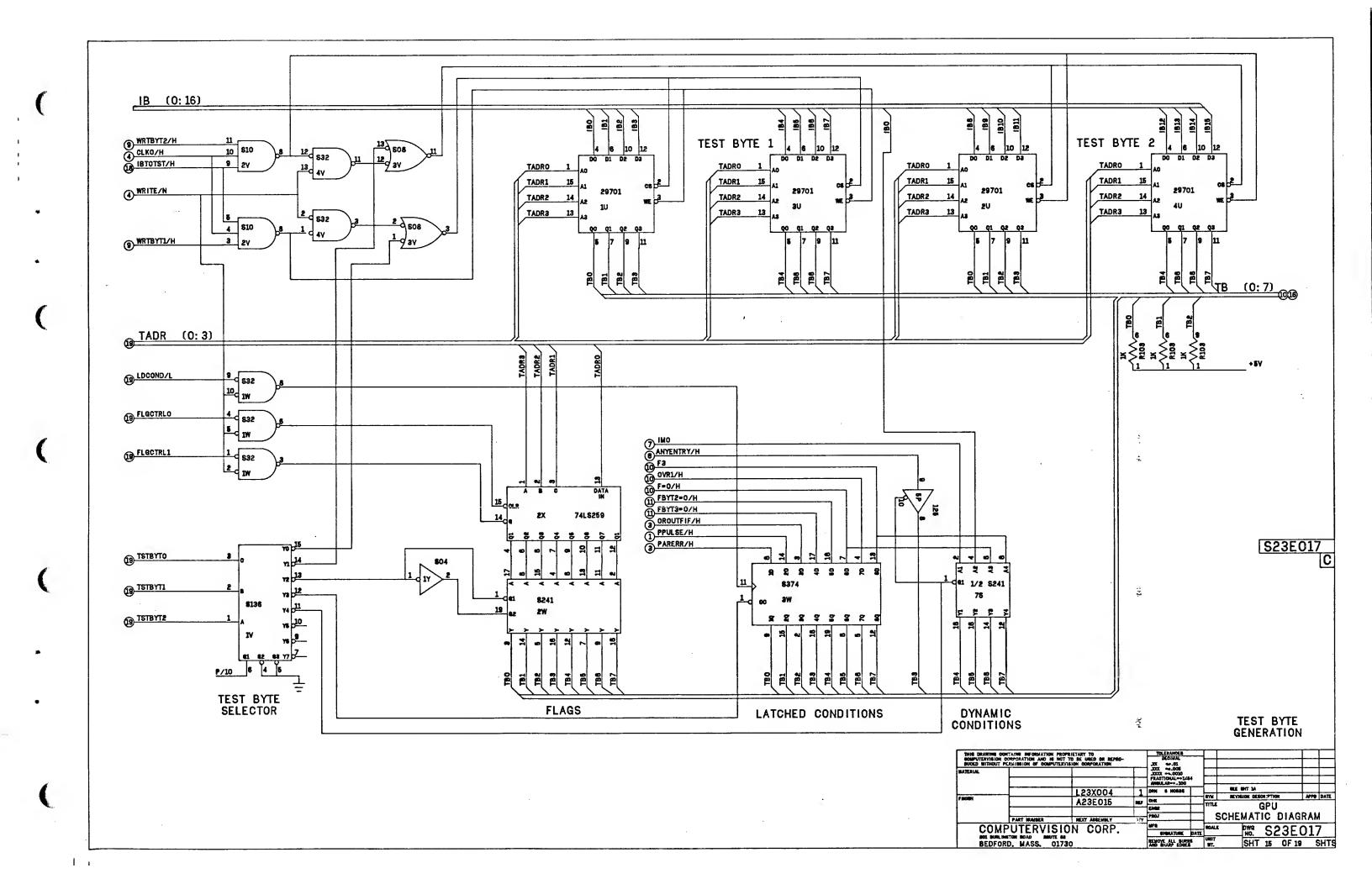


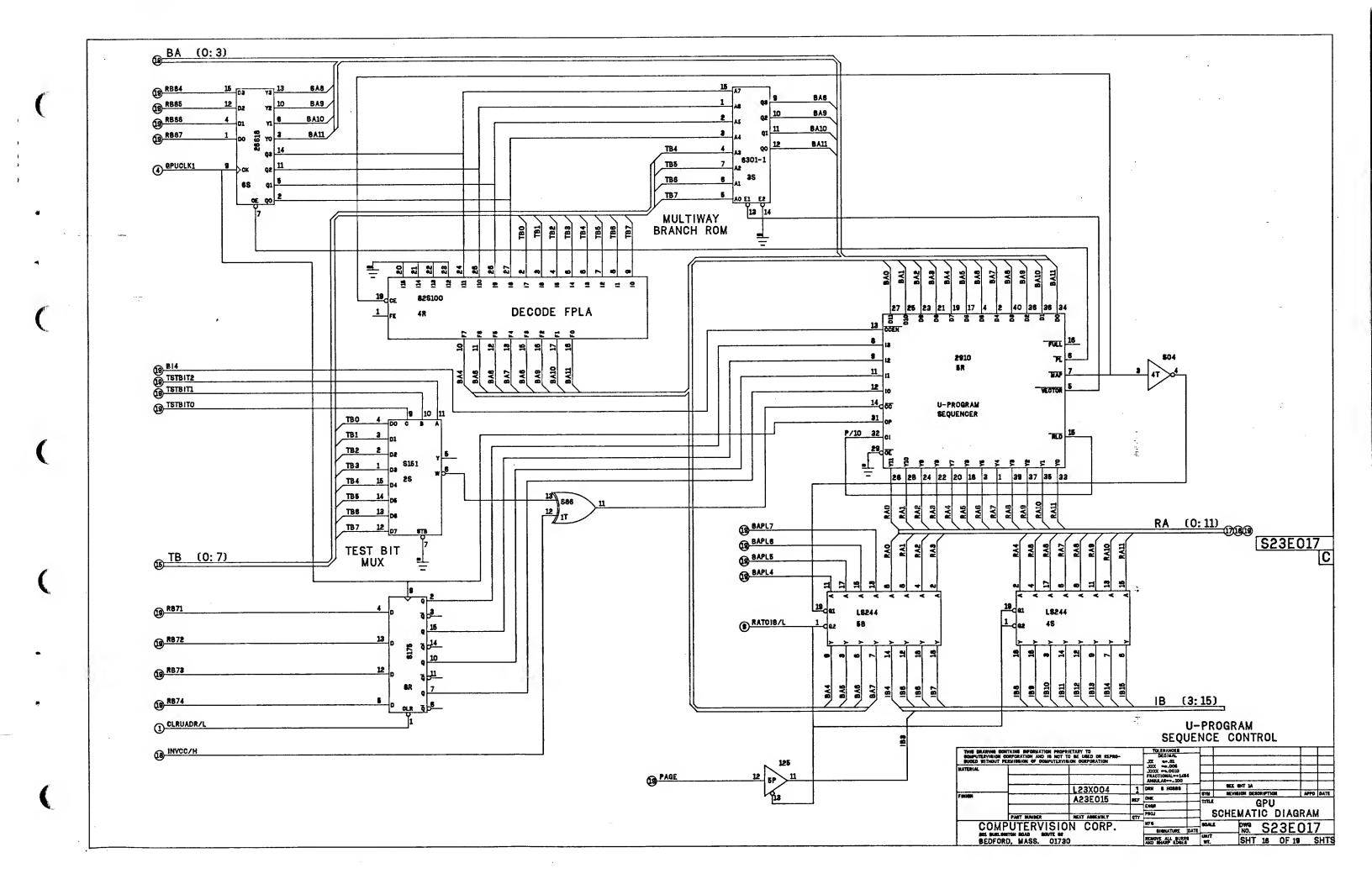


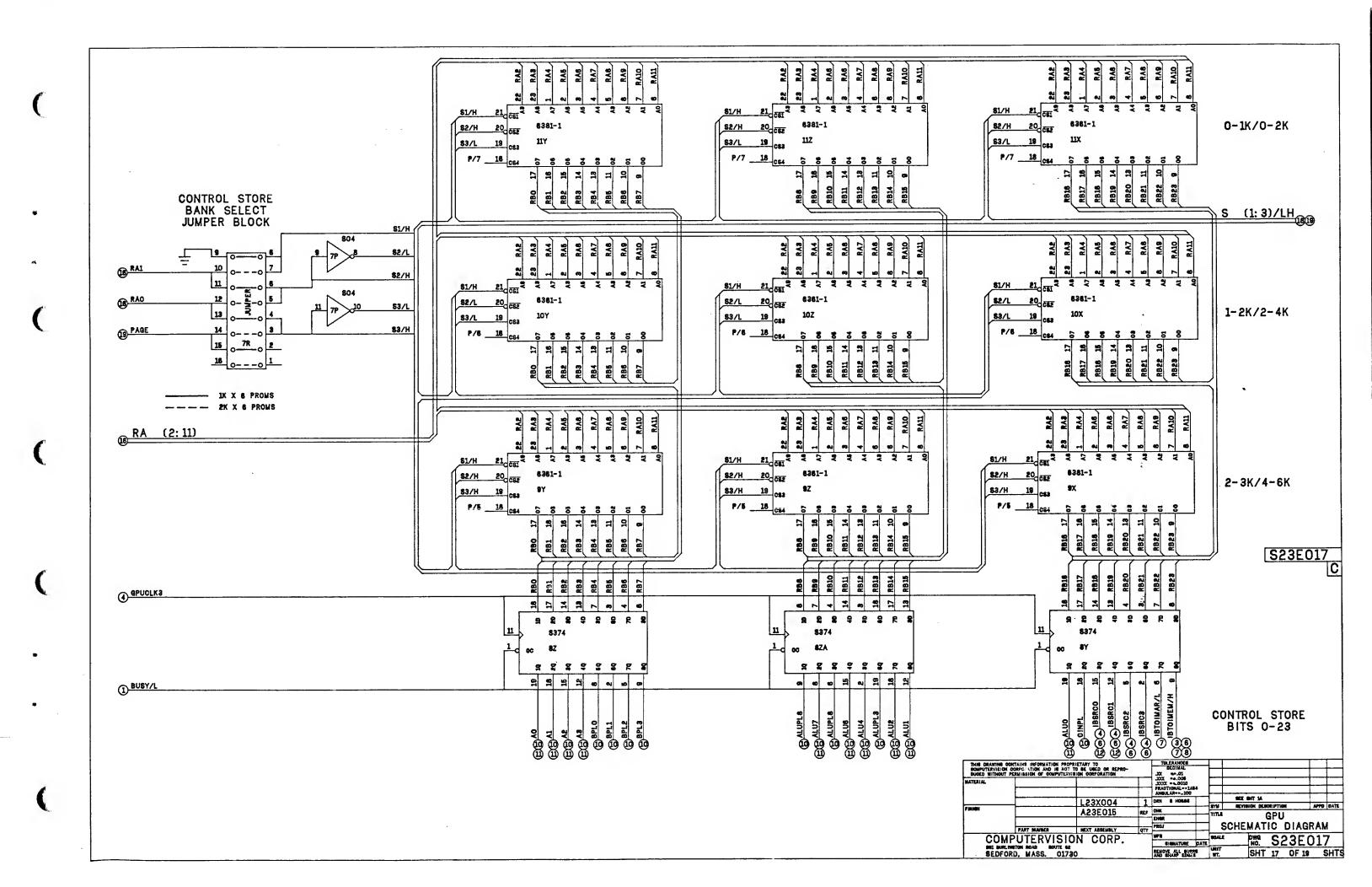


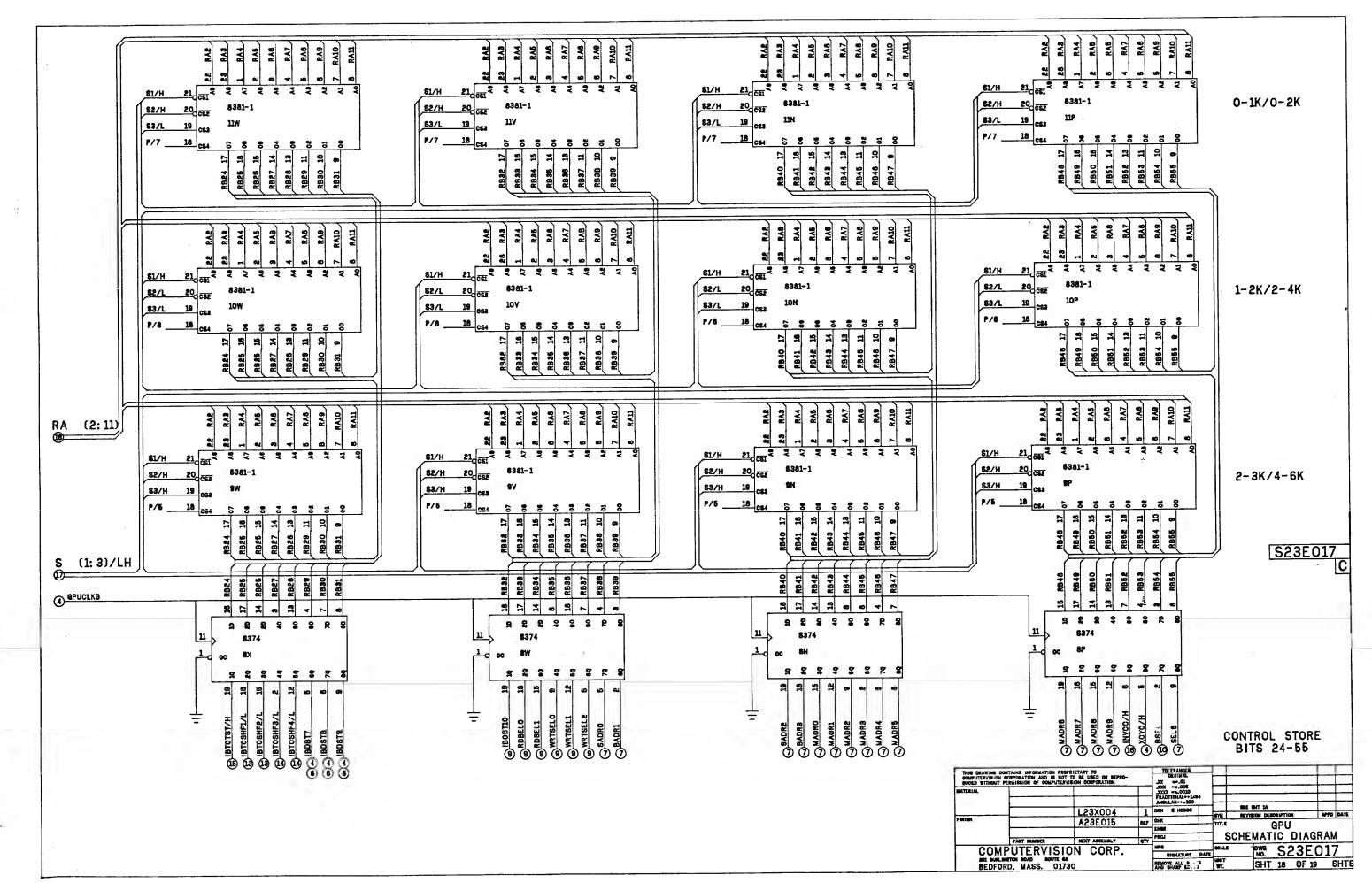






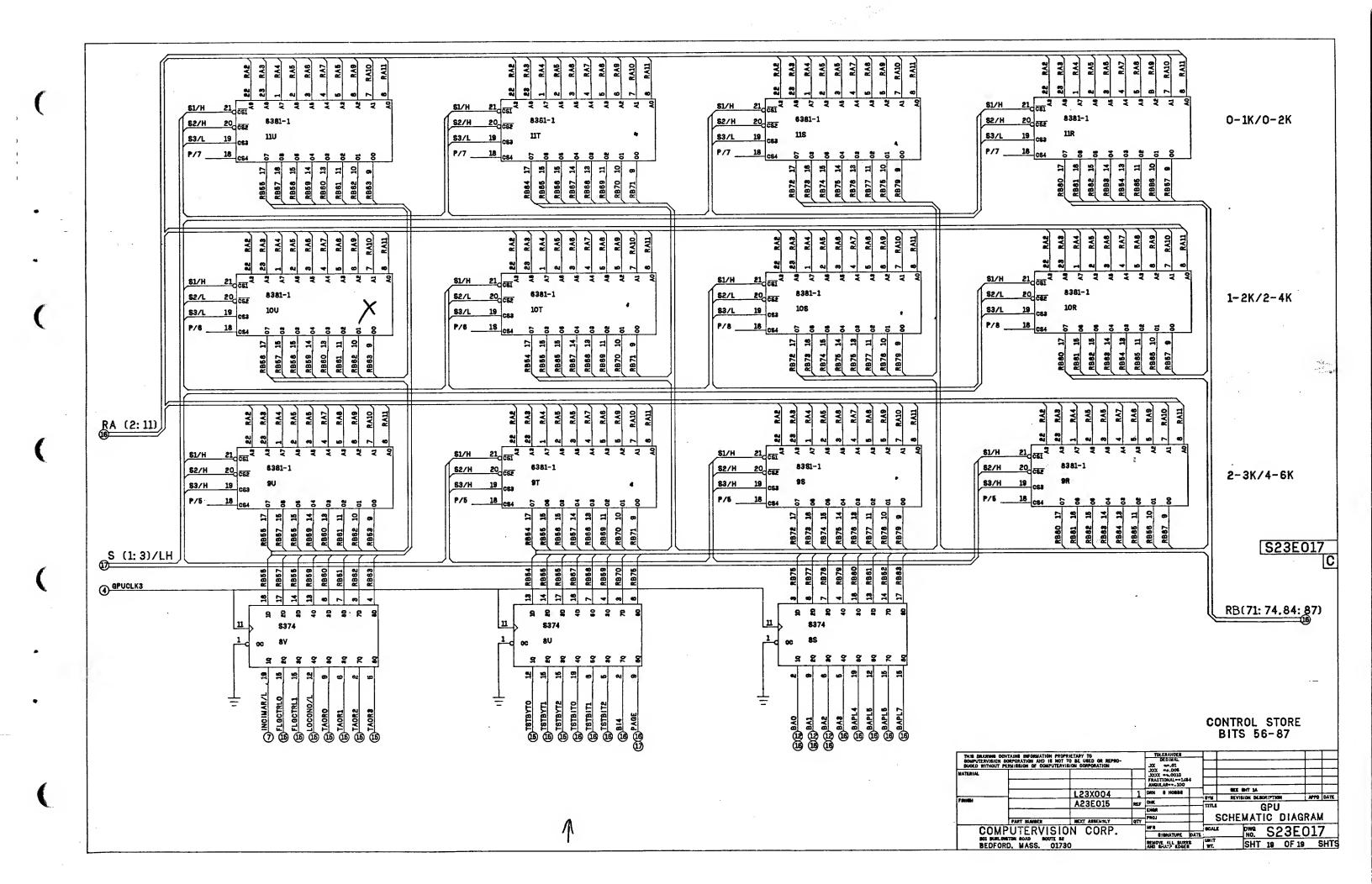




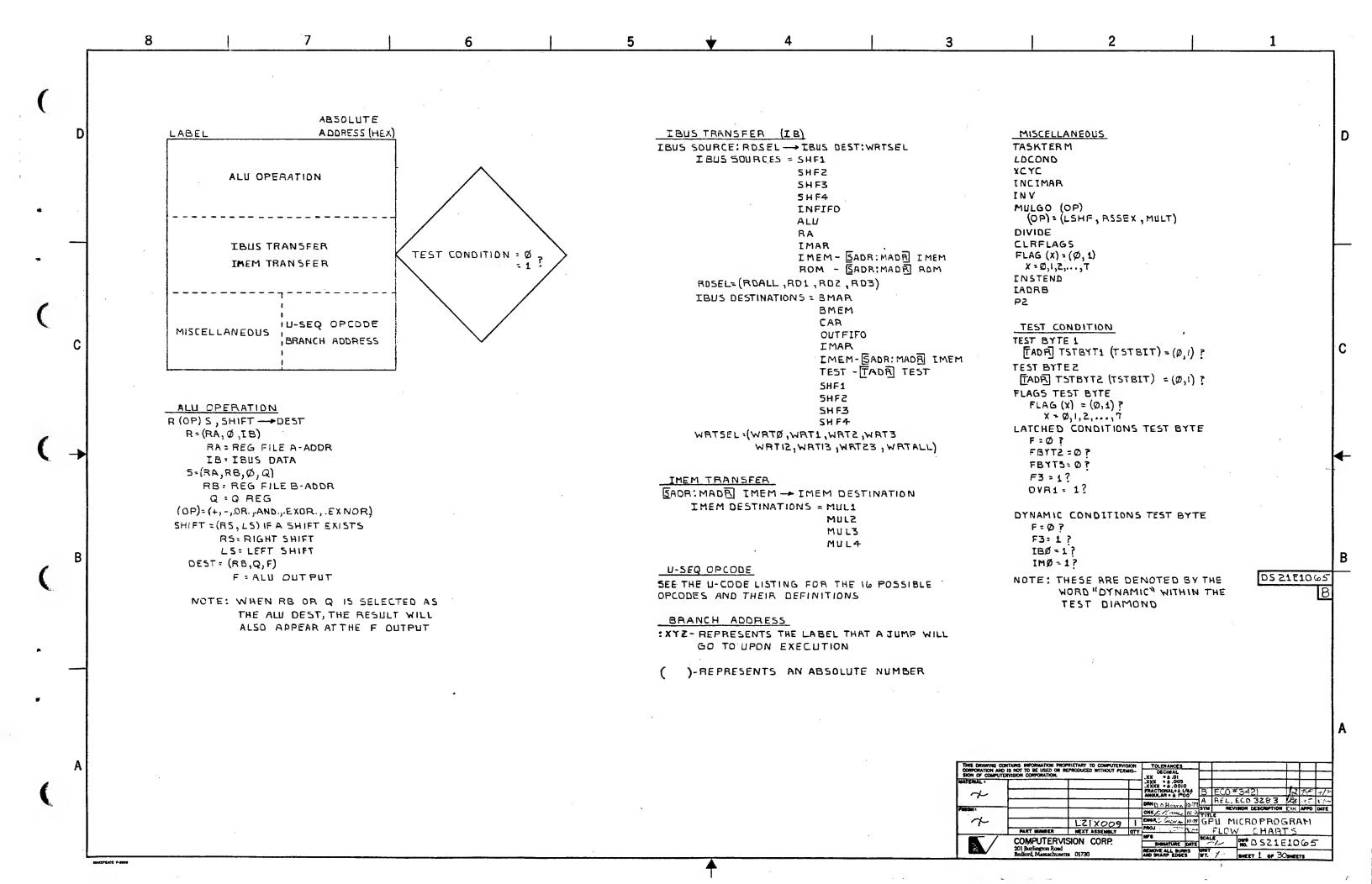


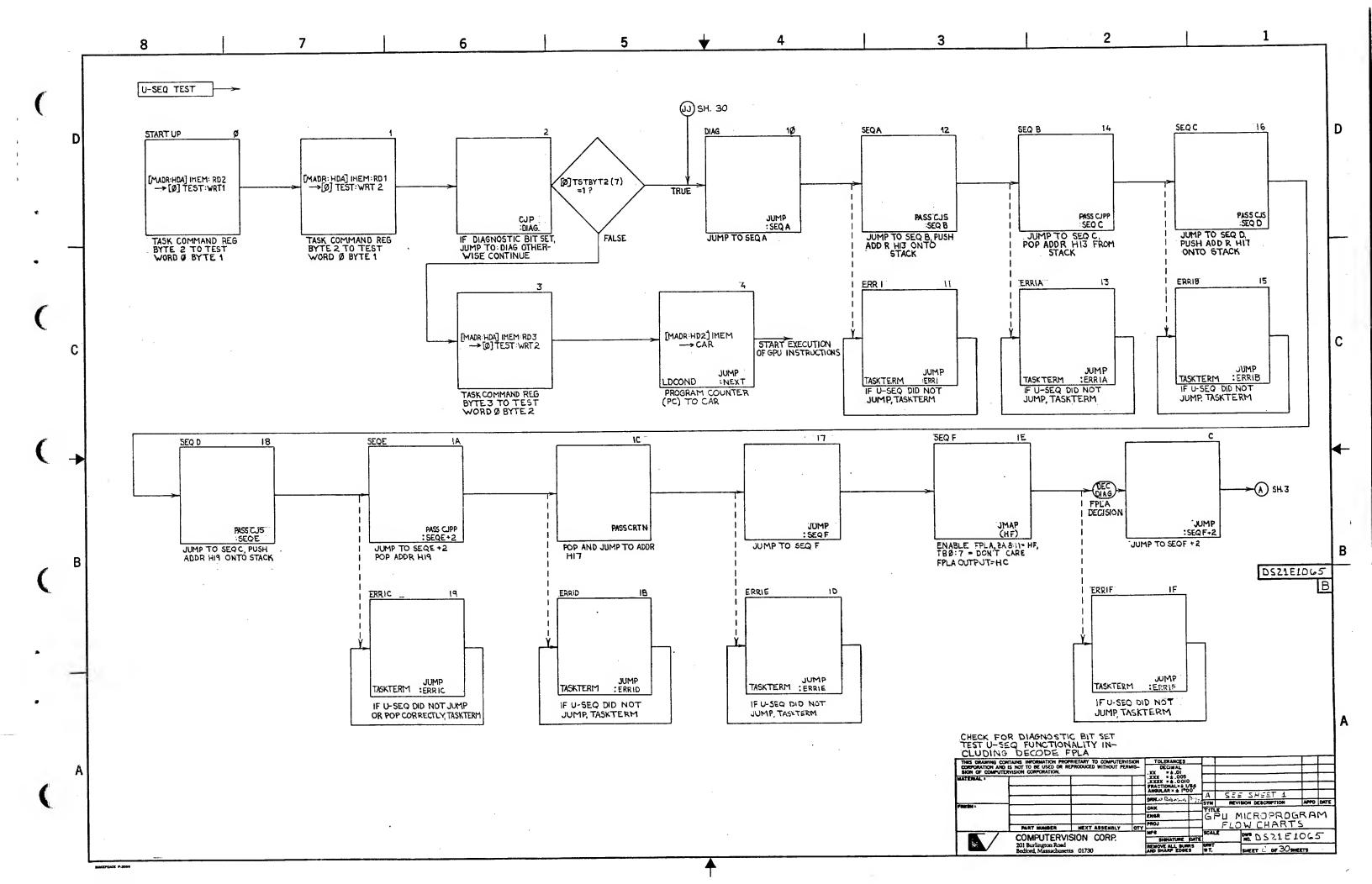
4

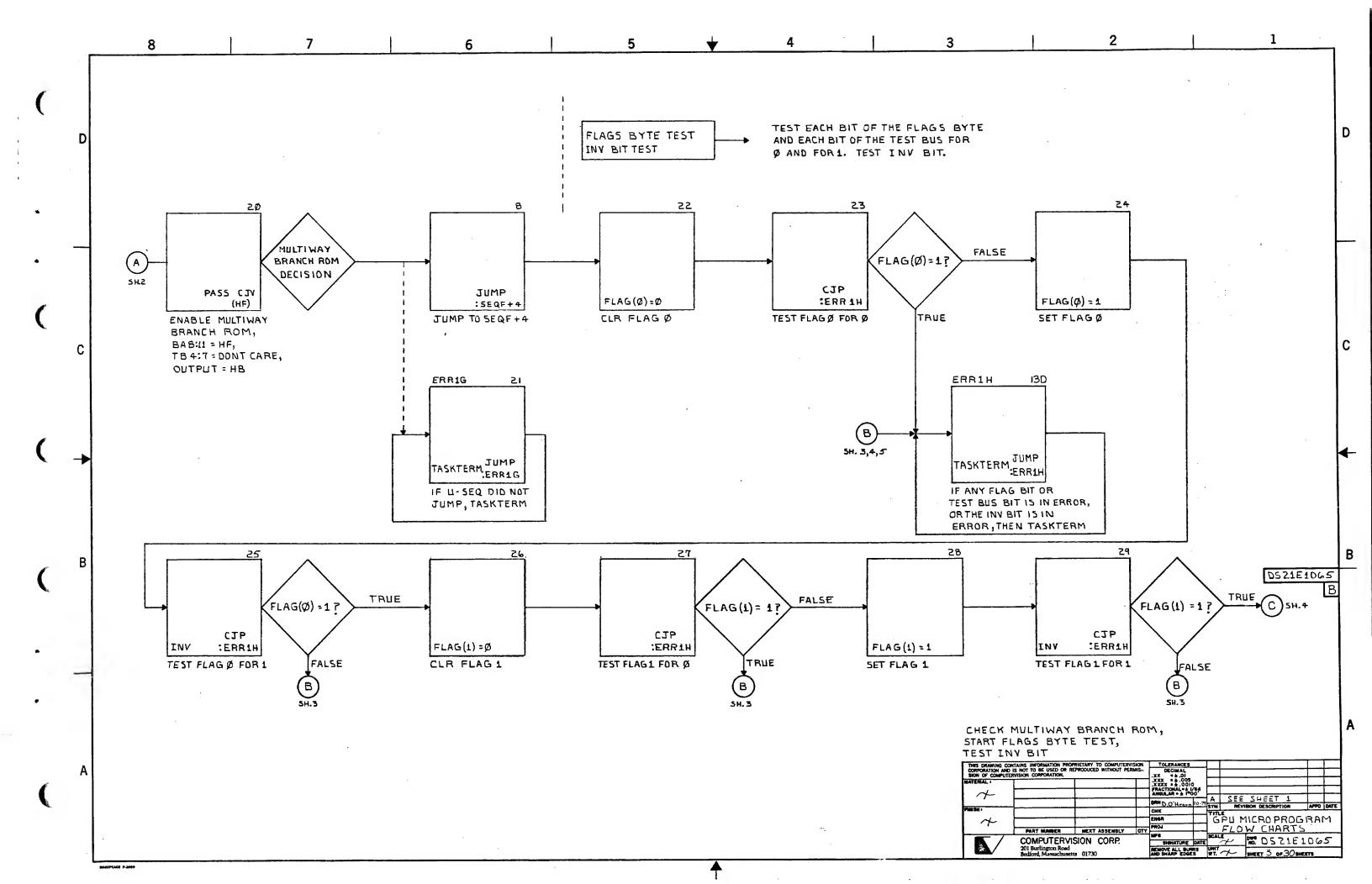
(

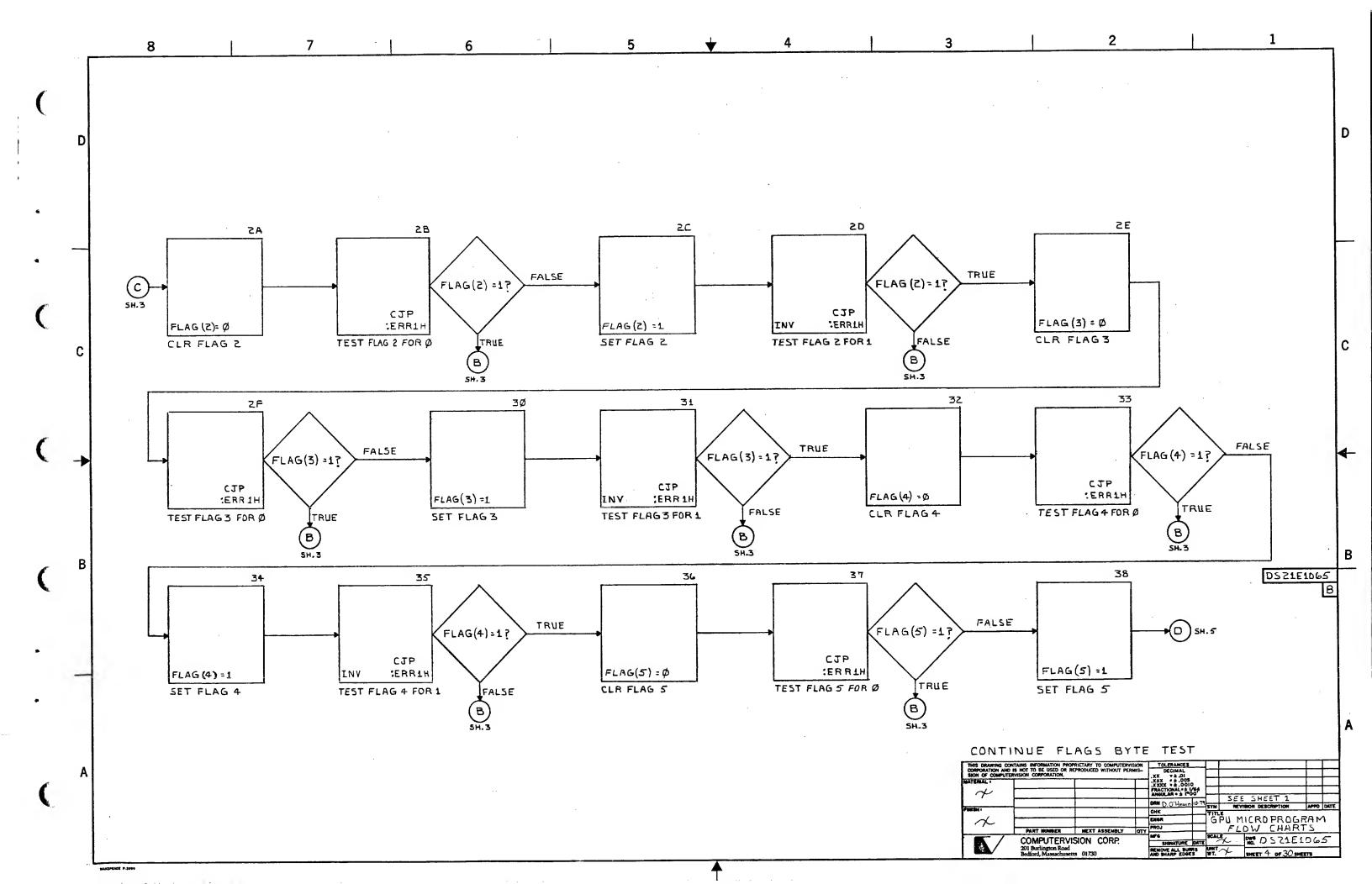


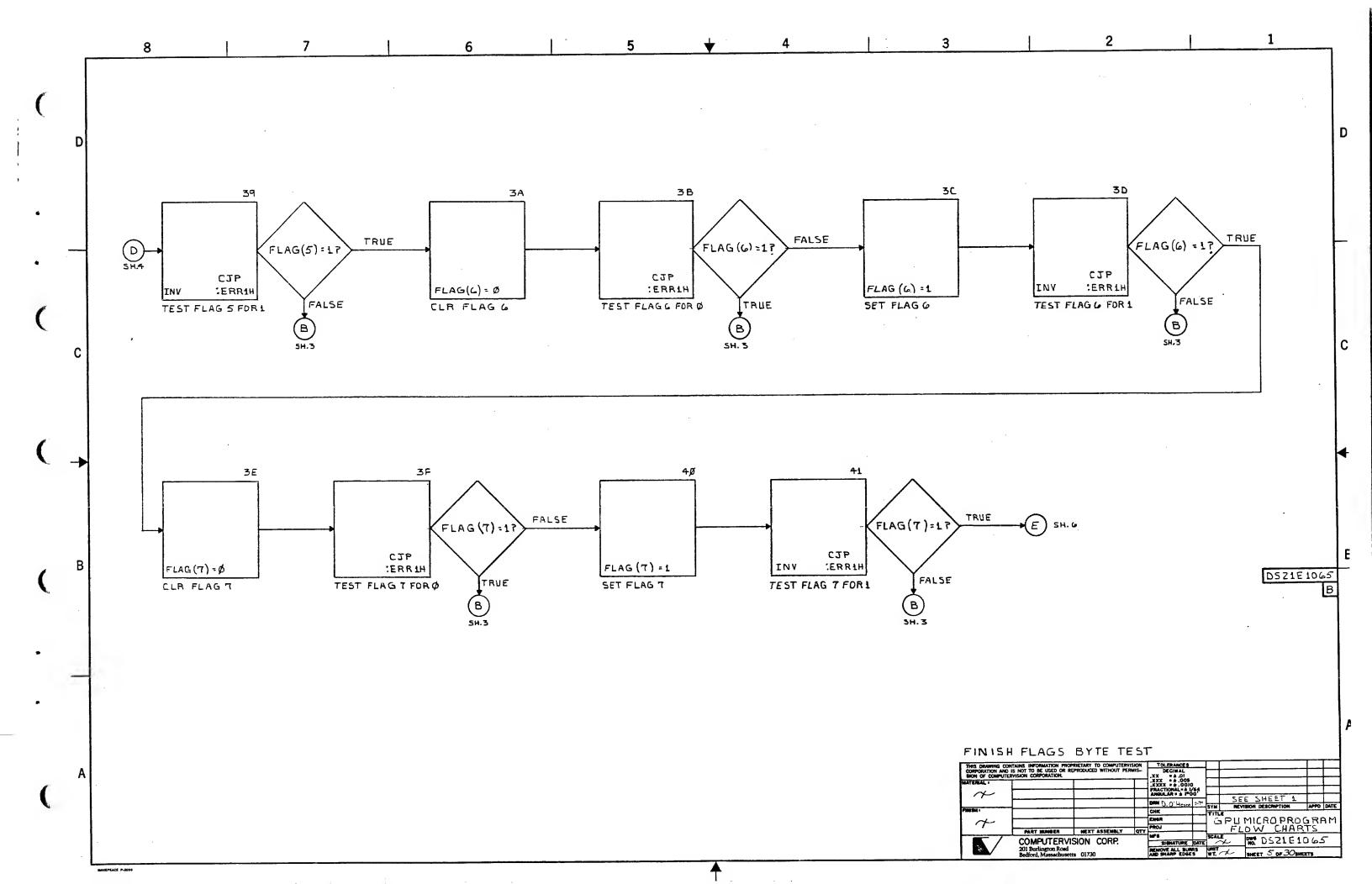
GPU Microprogram Flow Charts

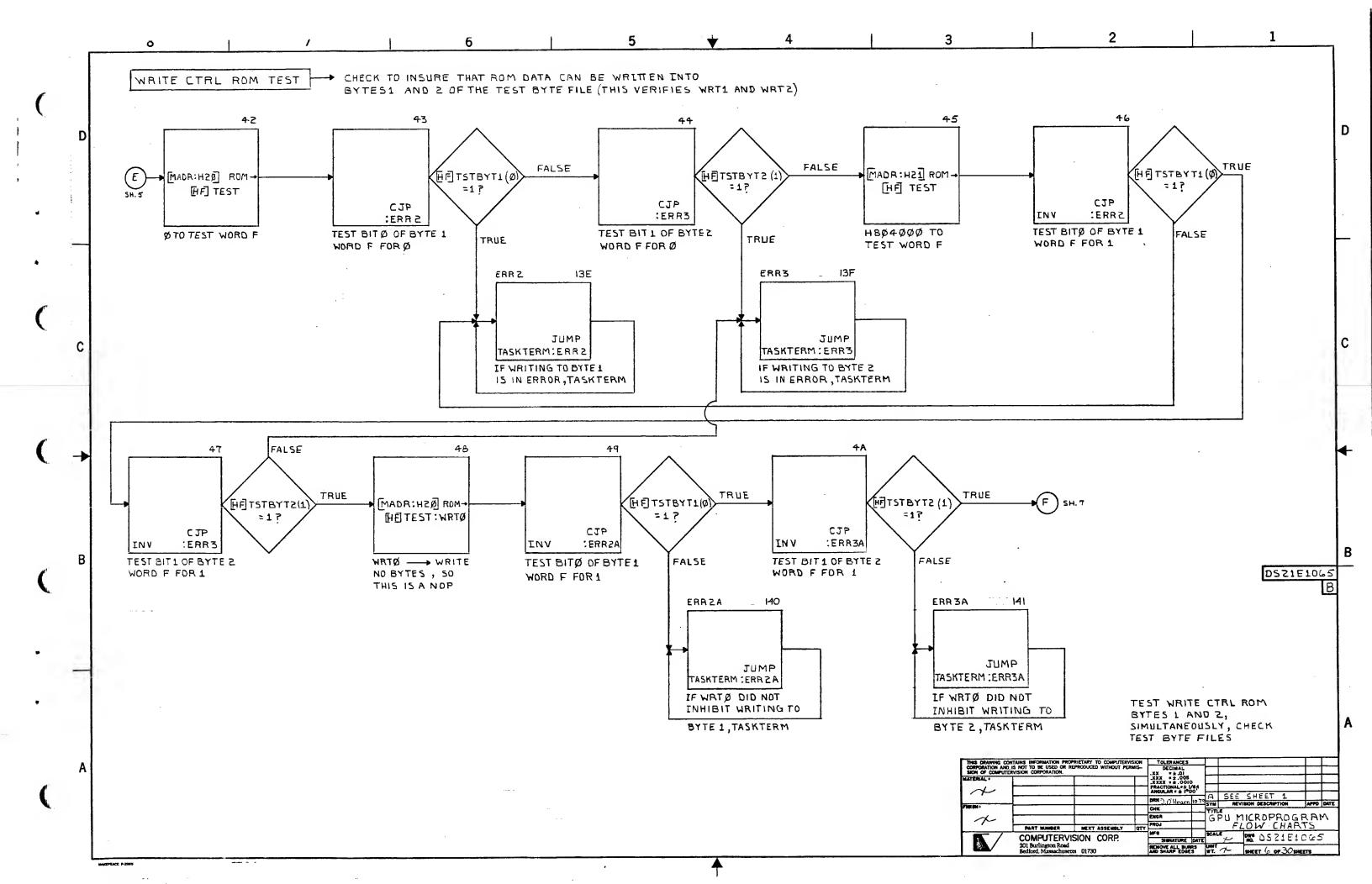


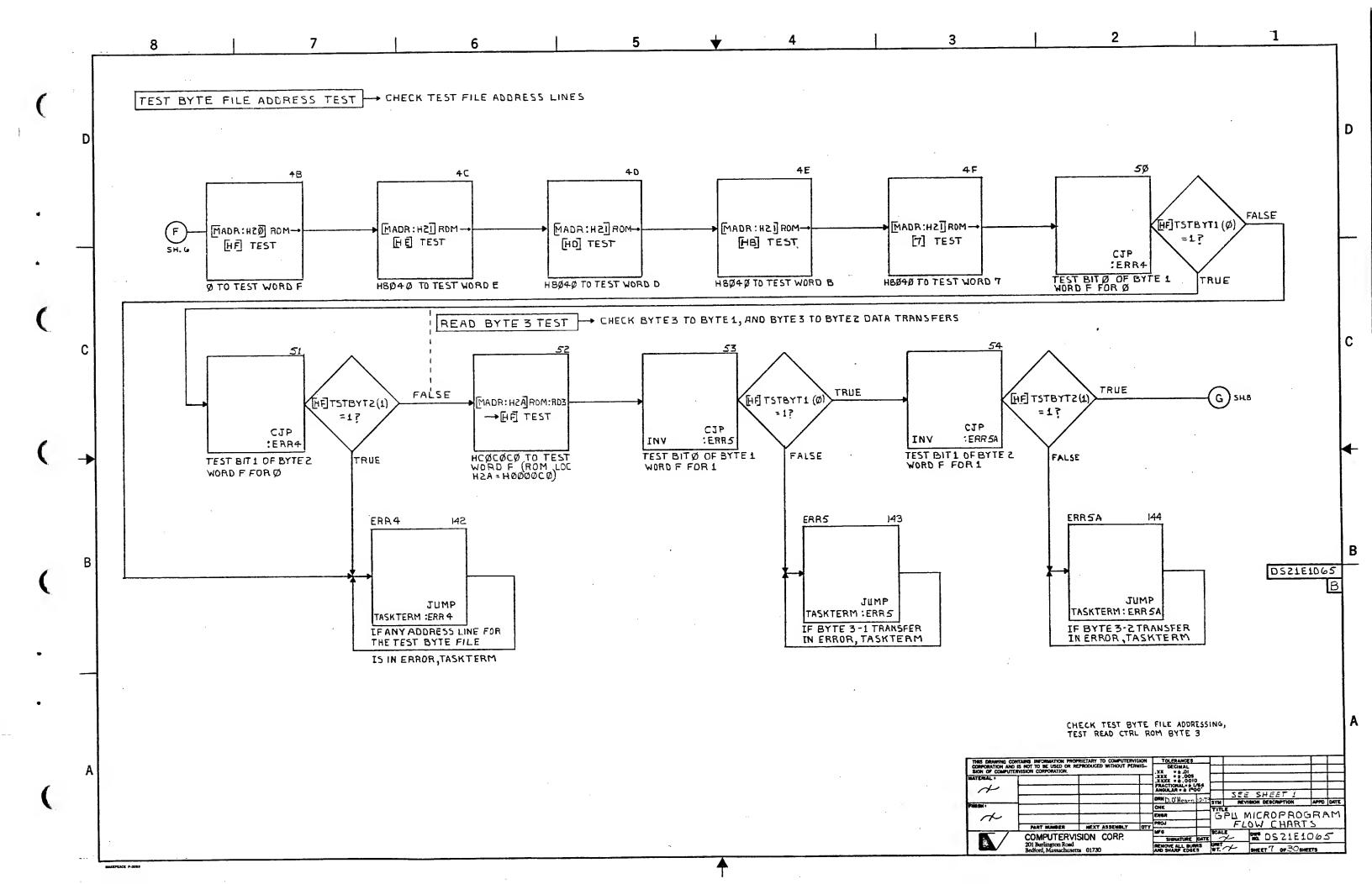


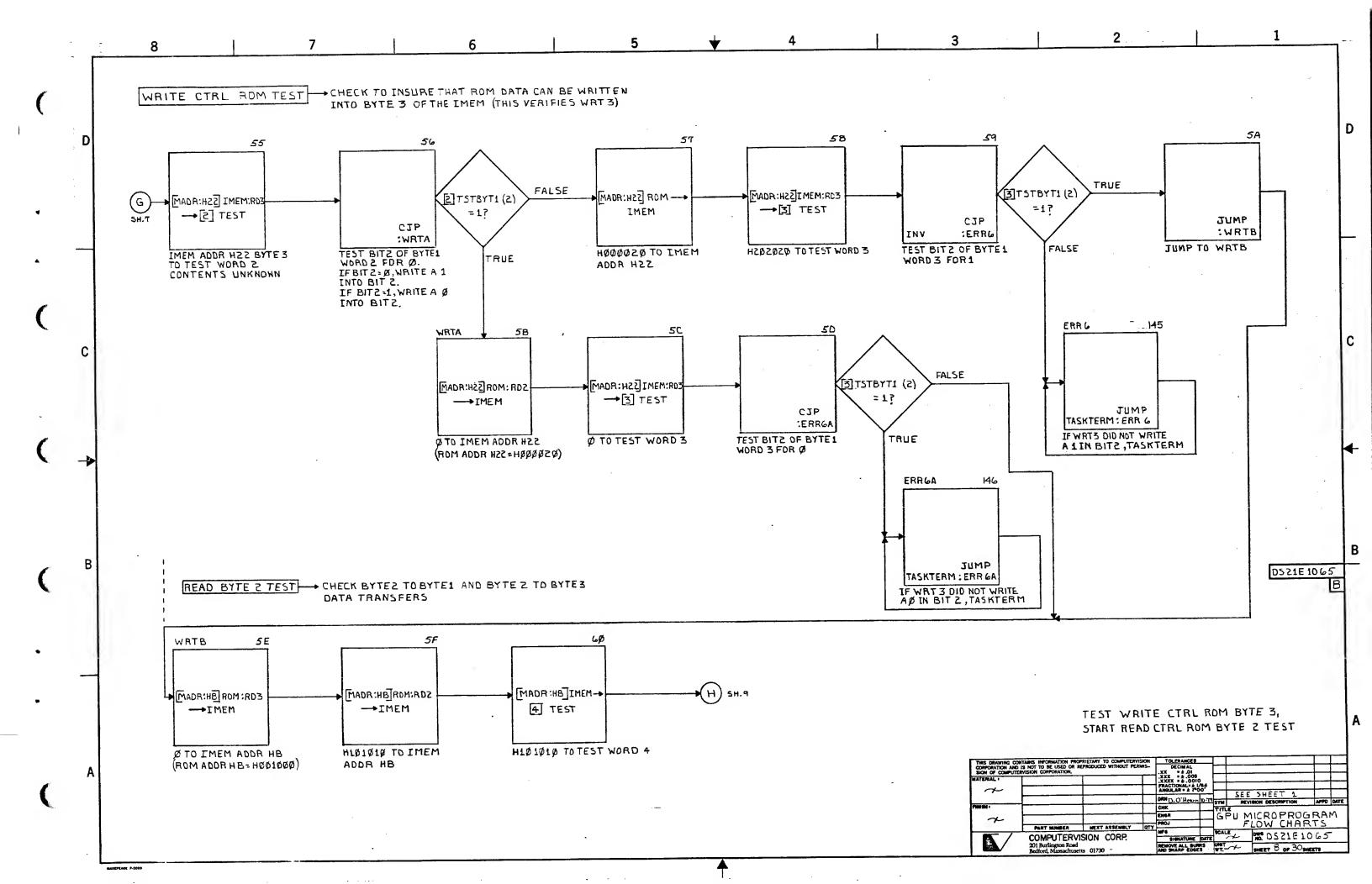


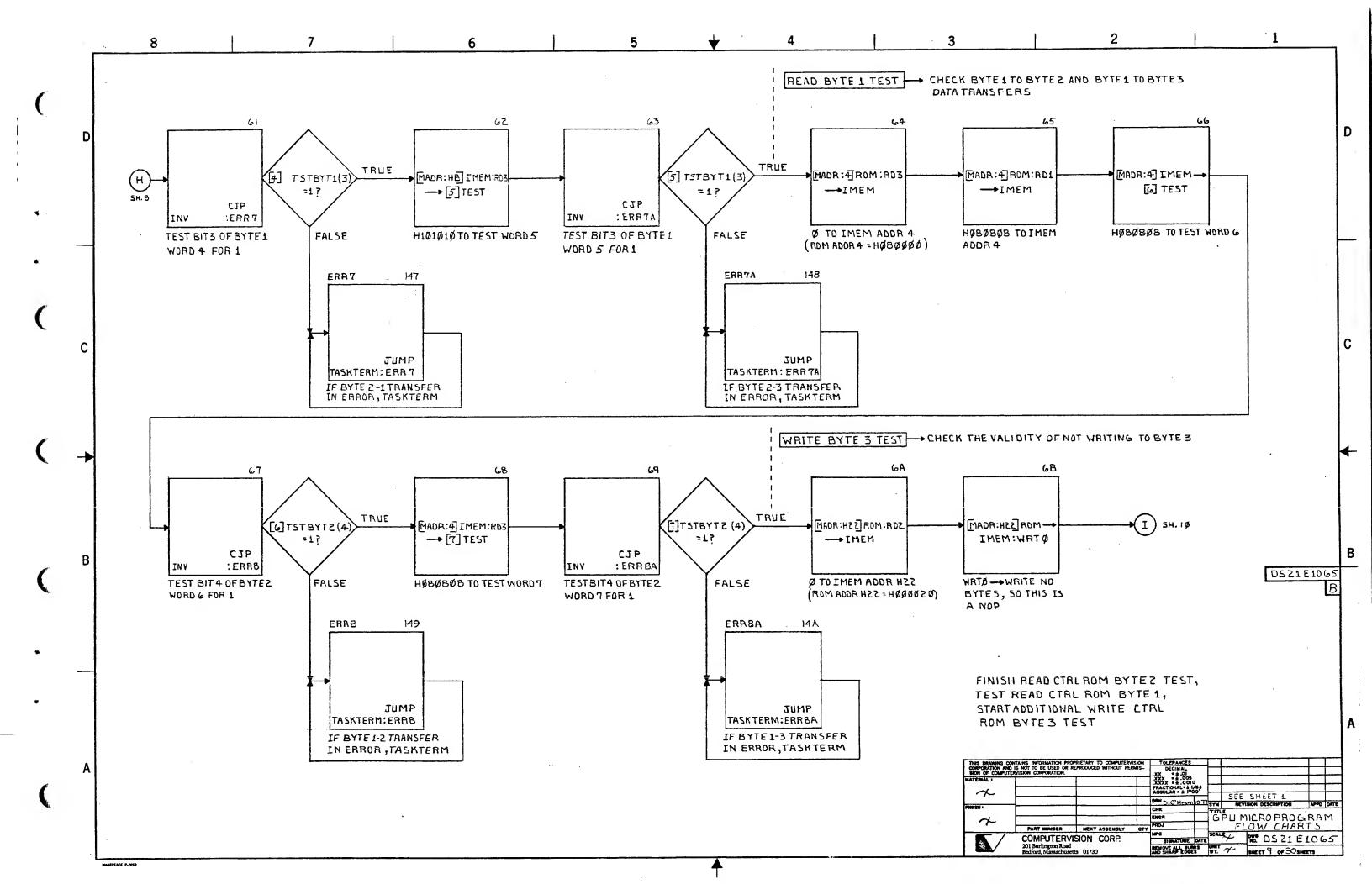


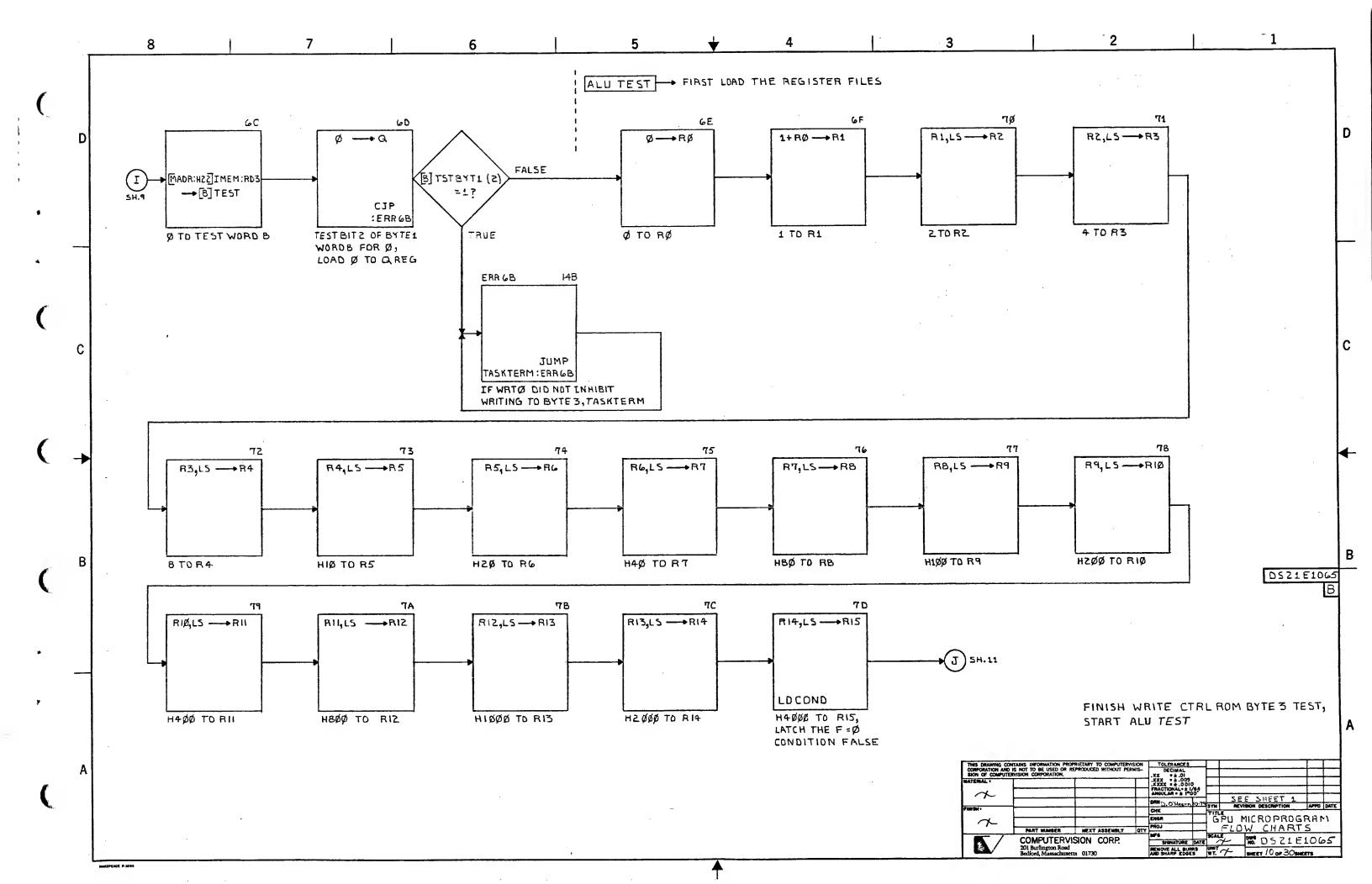


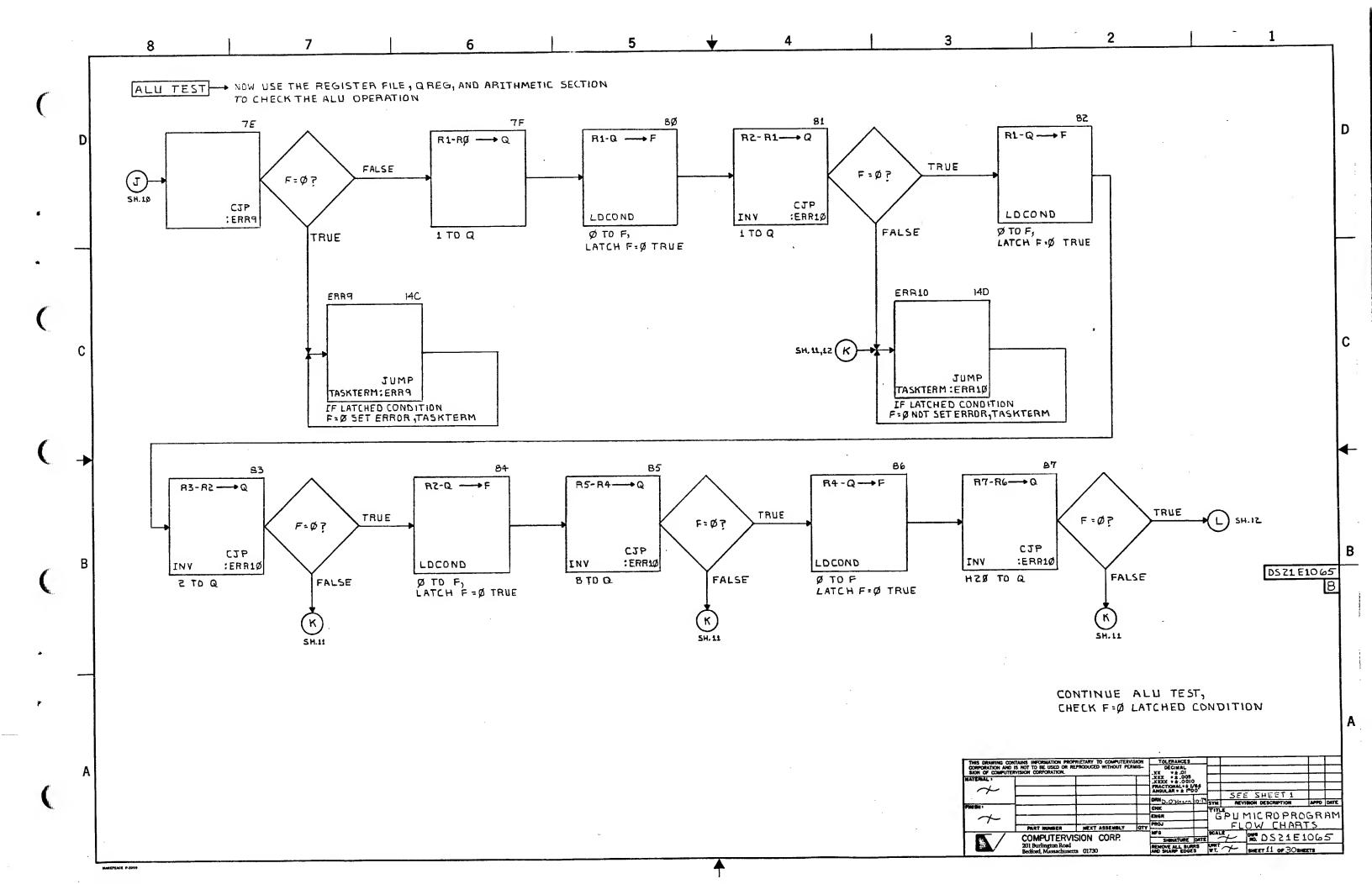


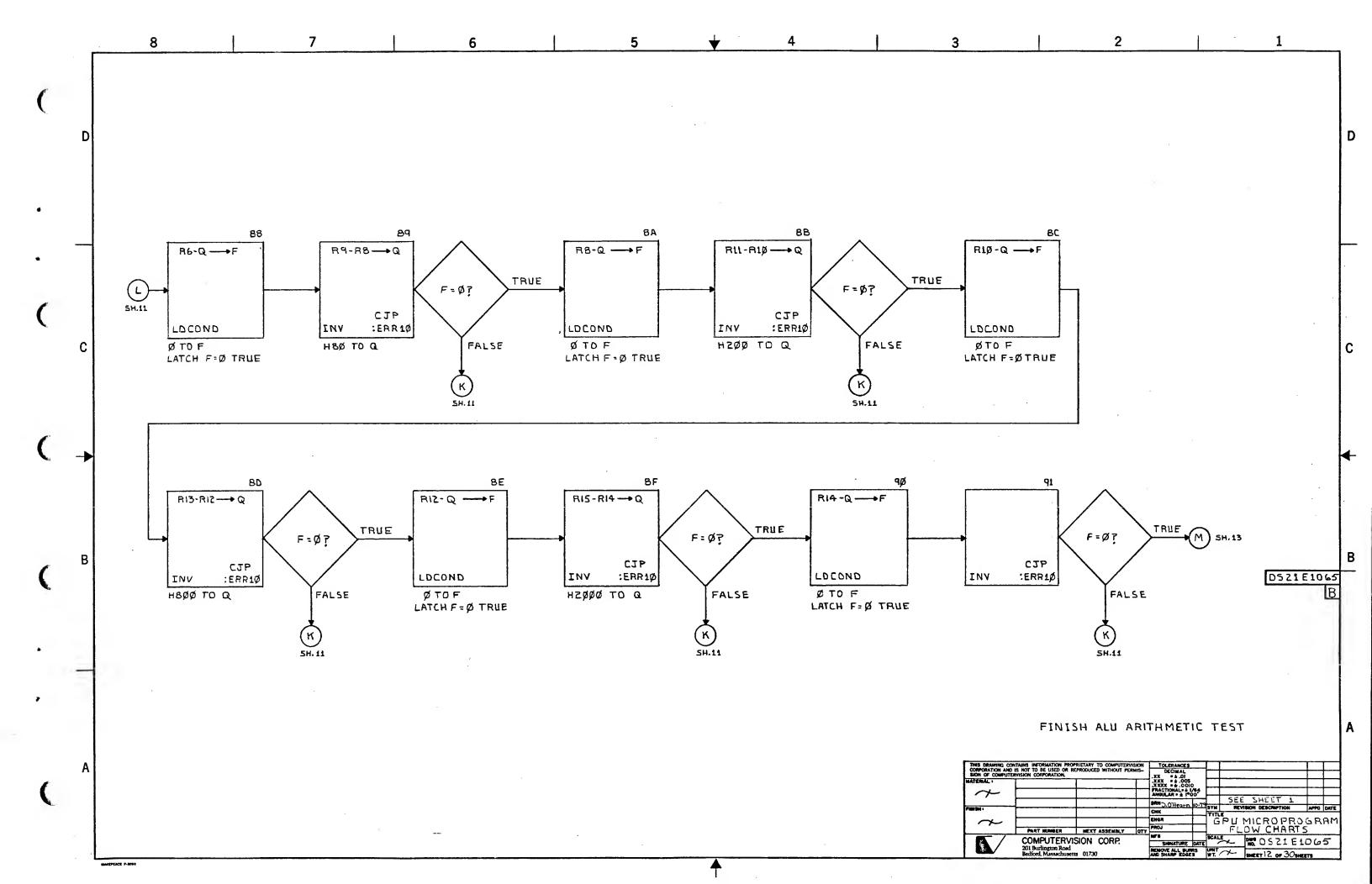


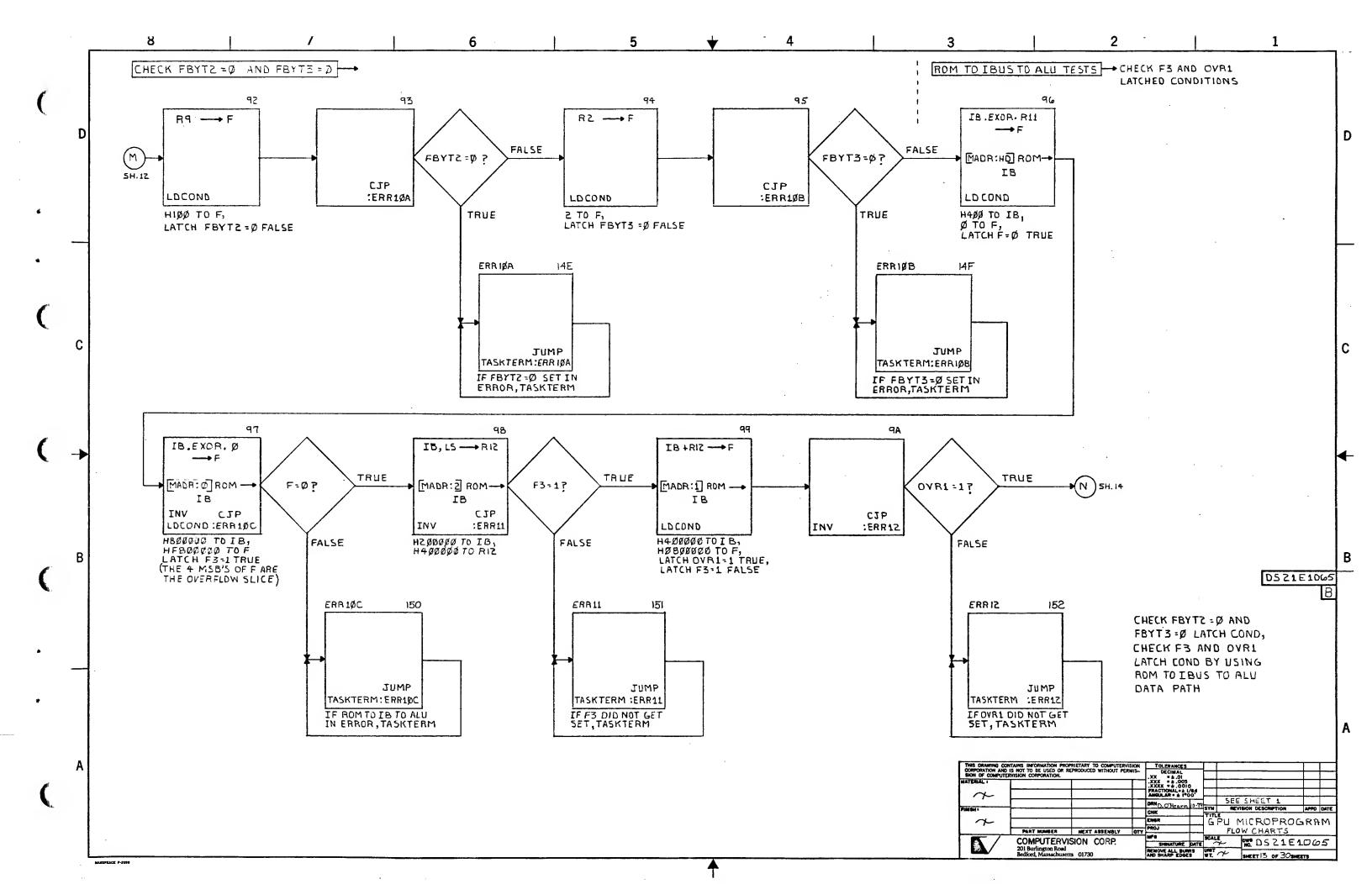


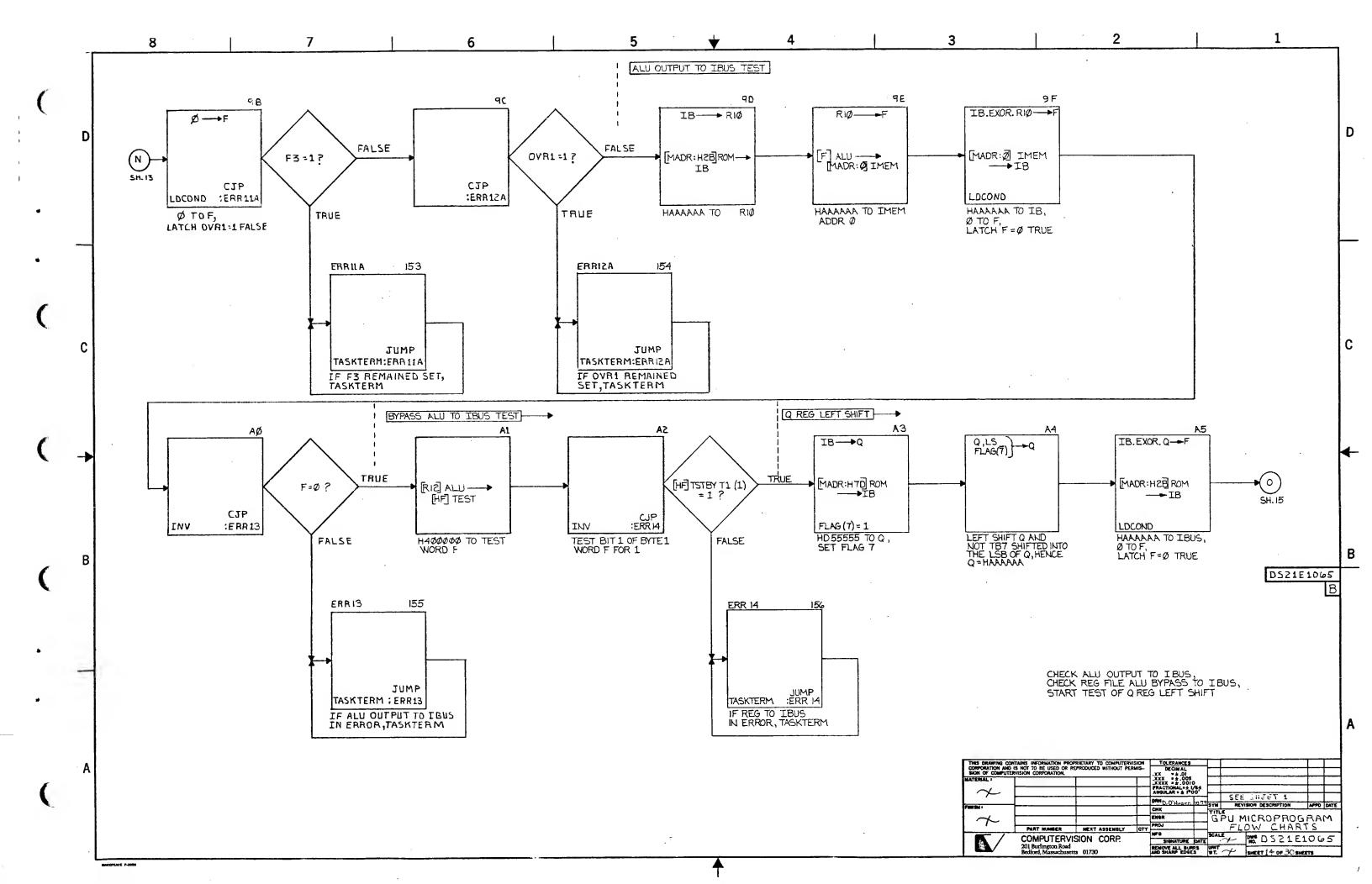


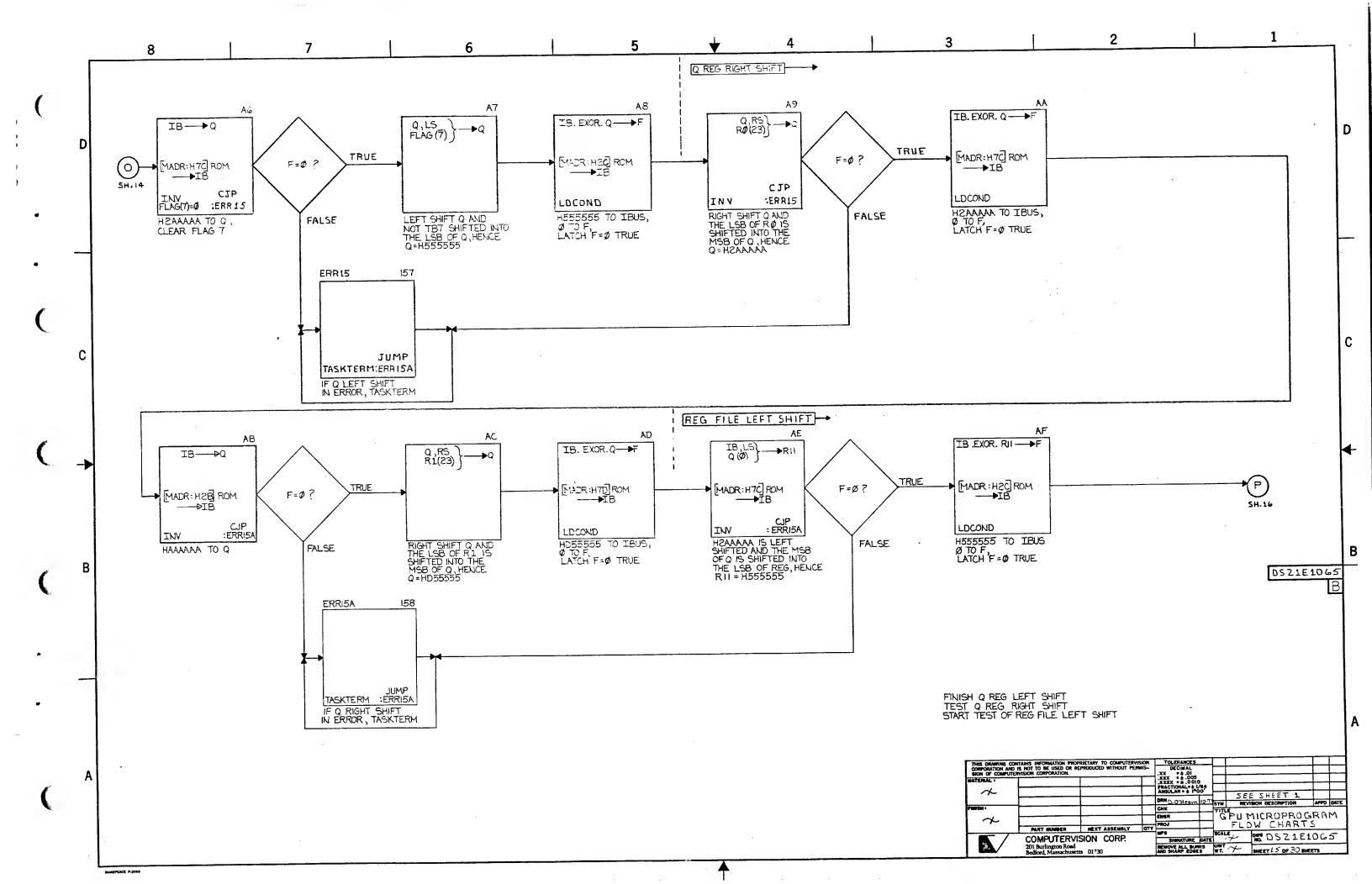


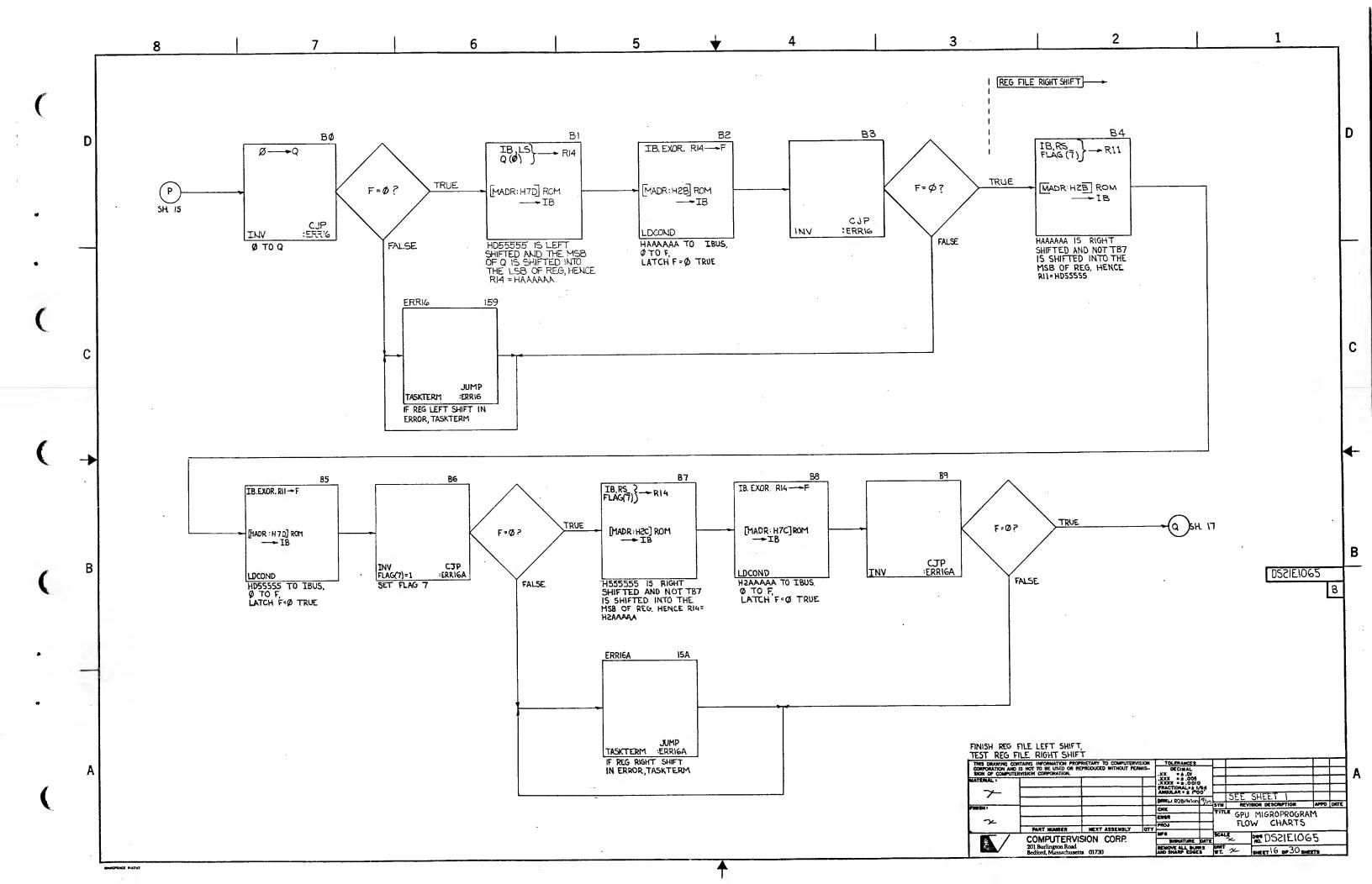


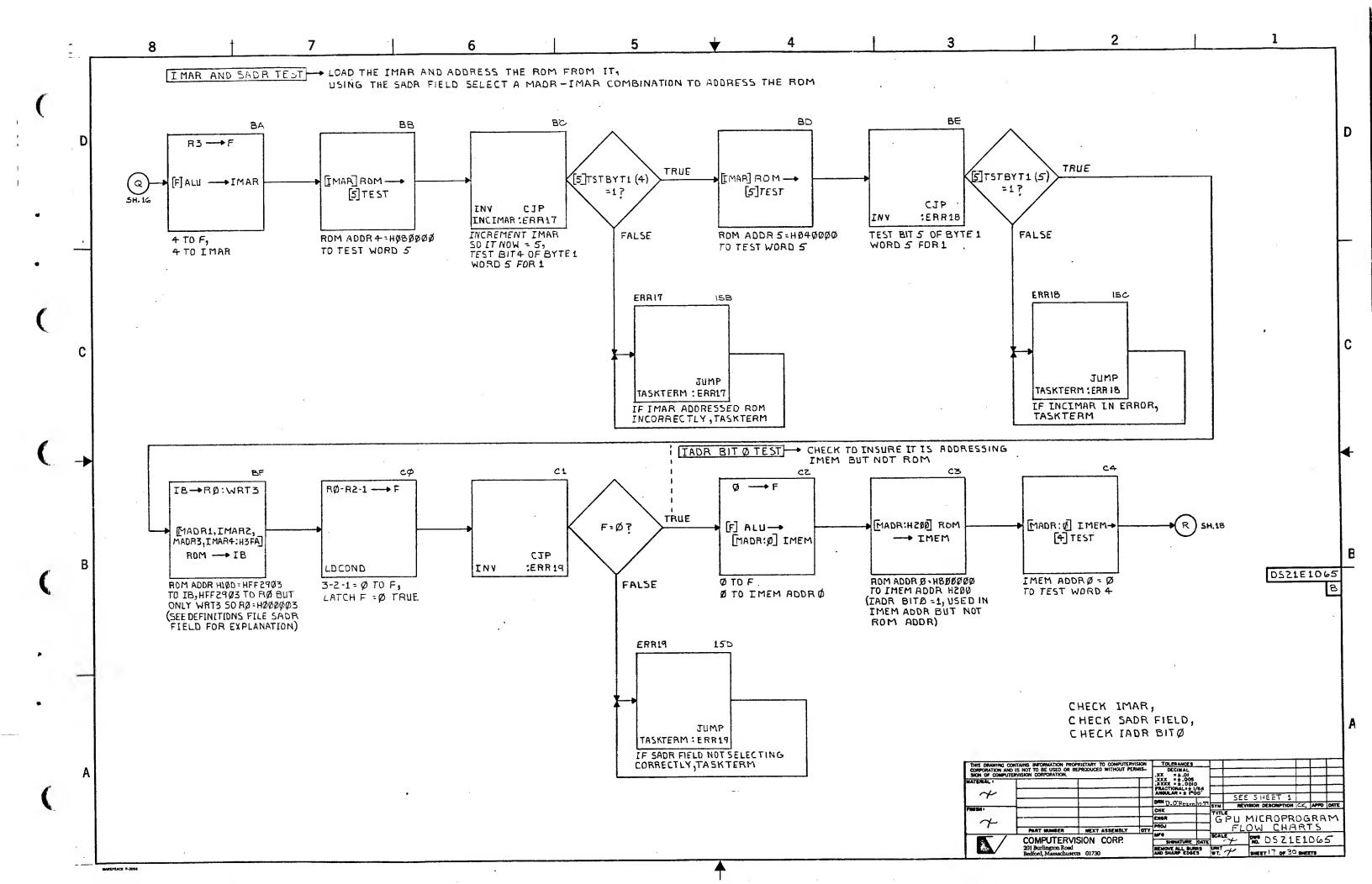


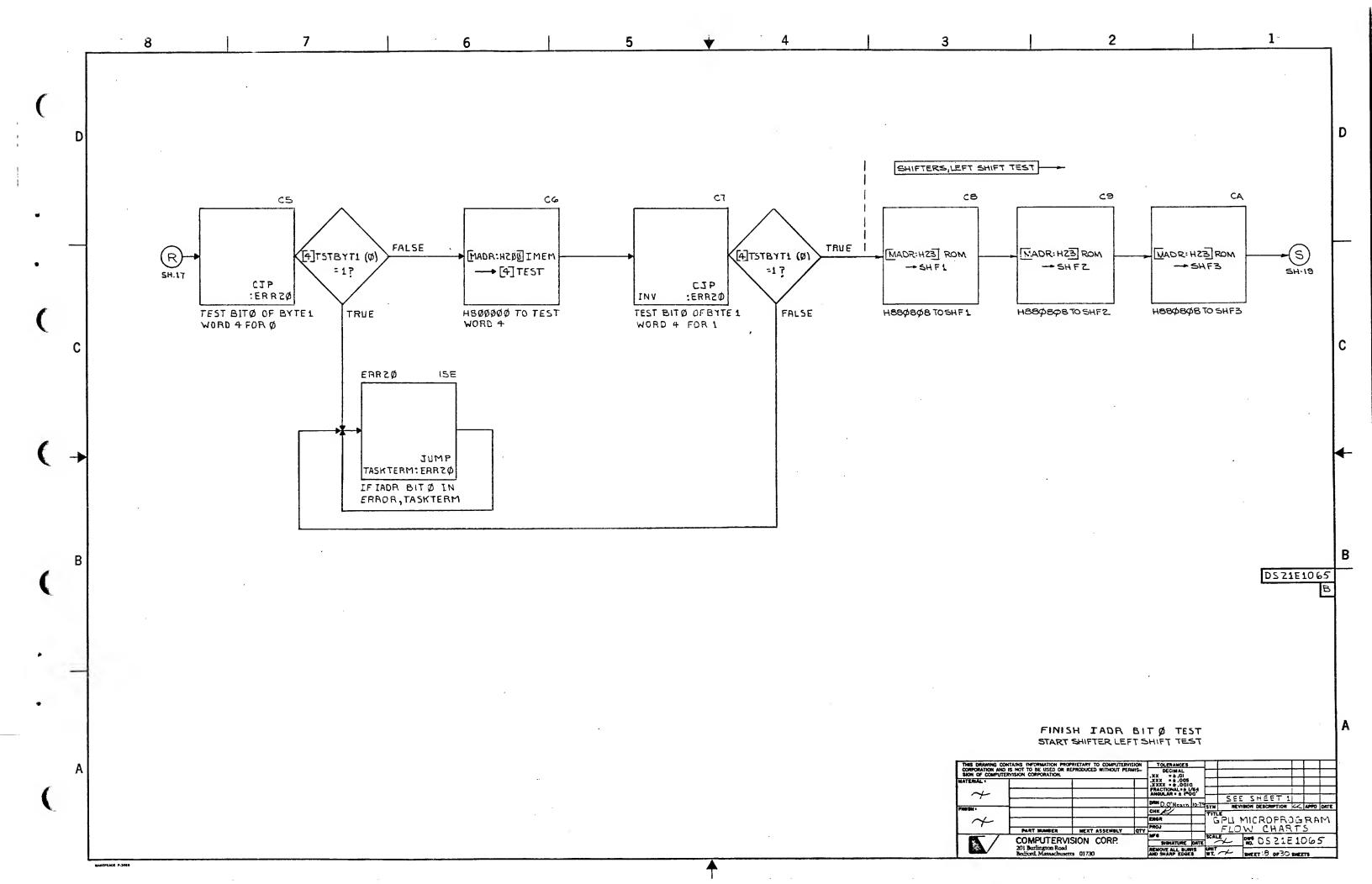


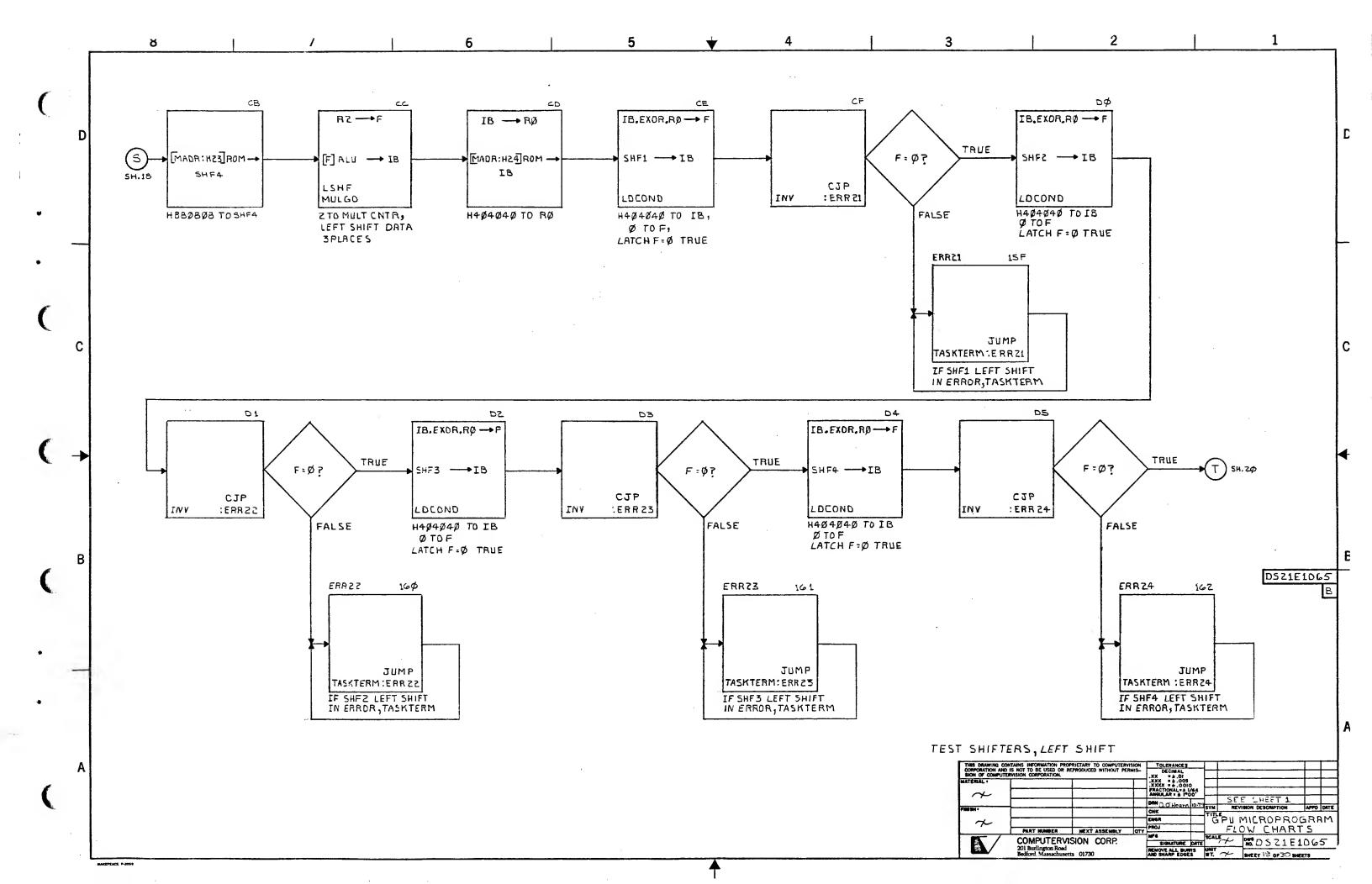


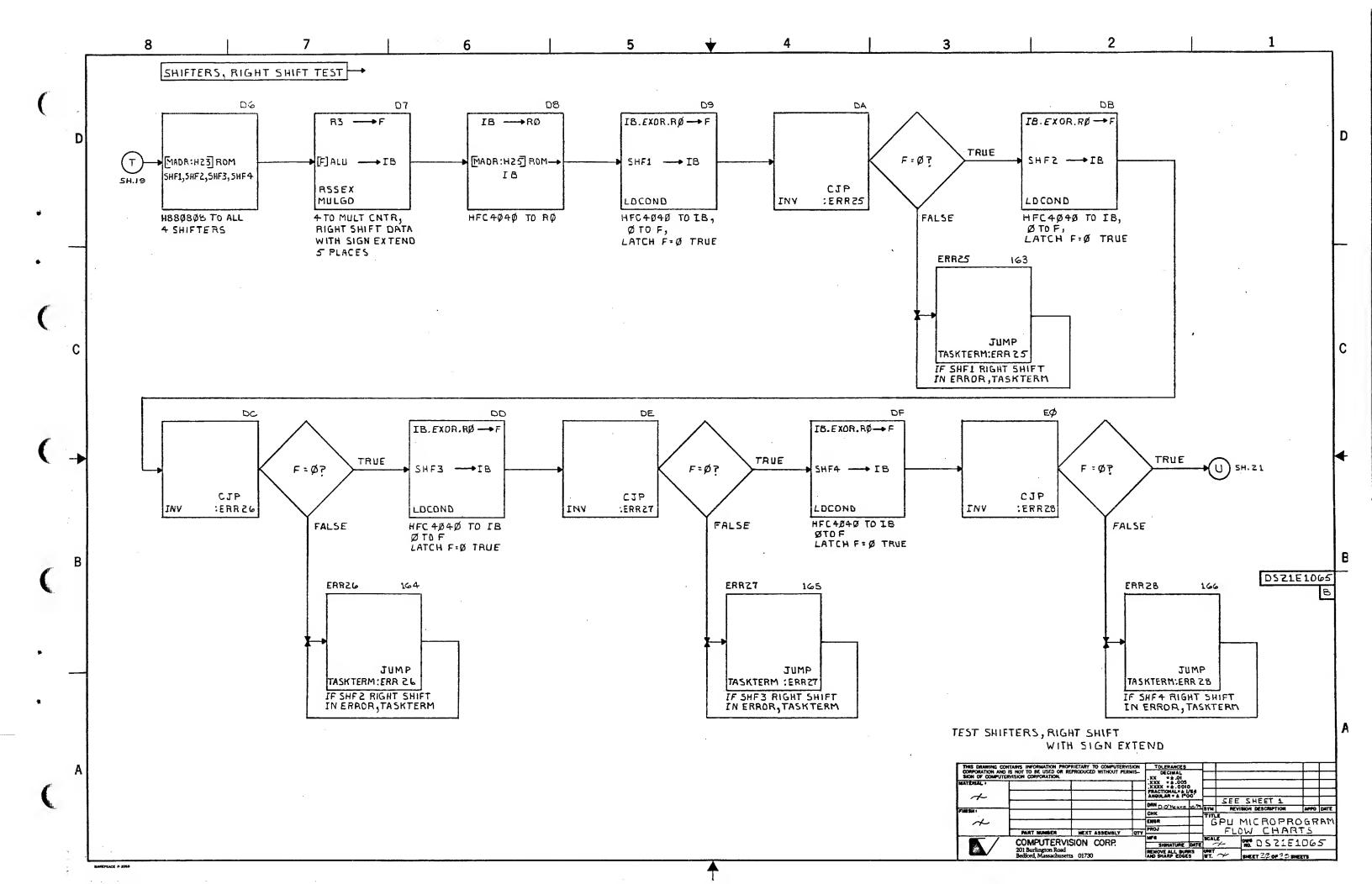


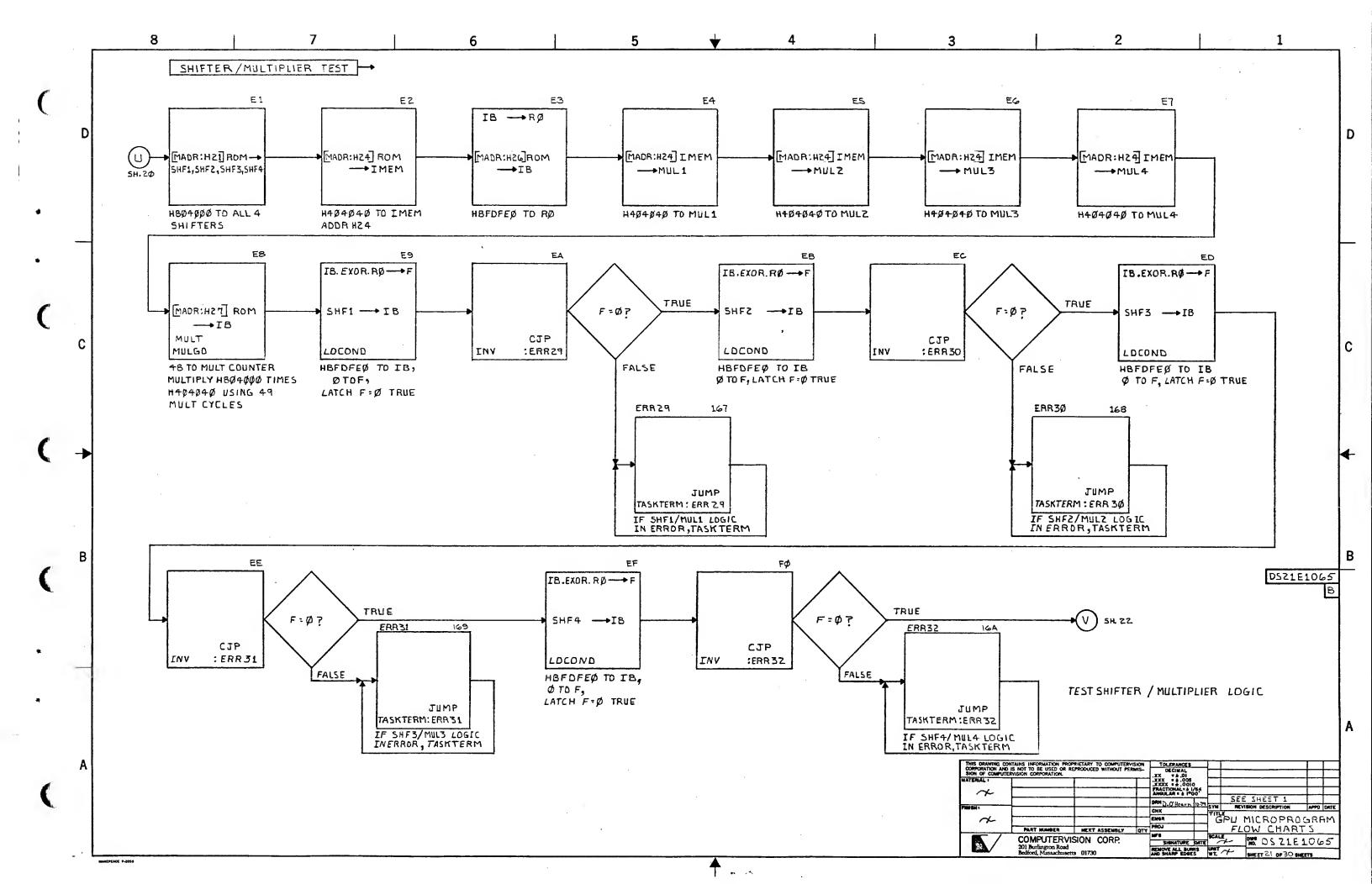


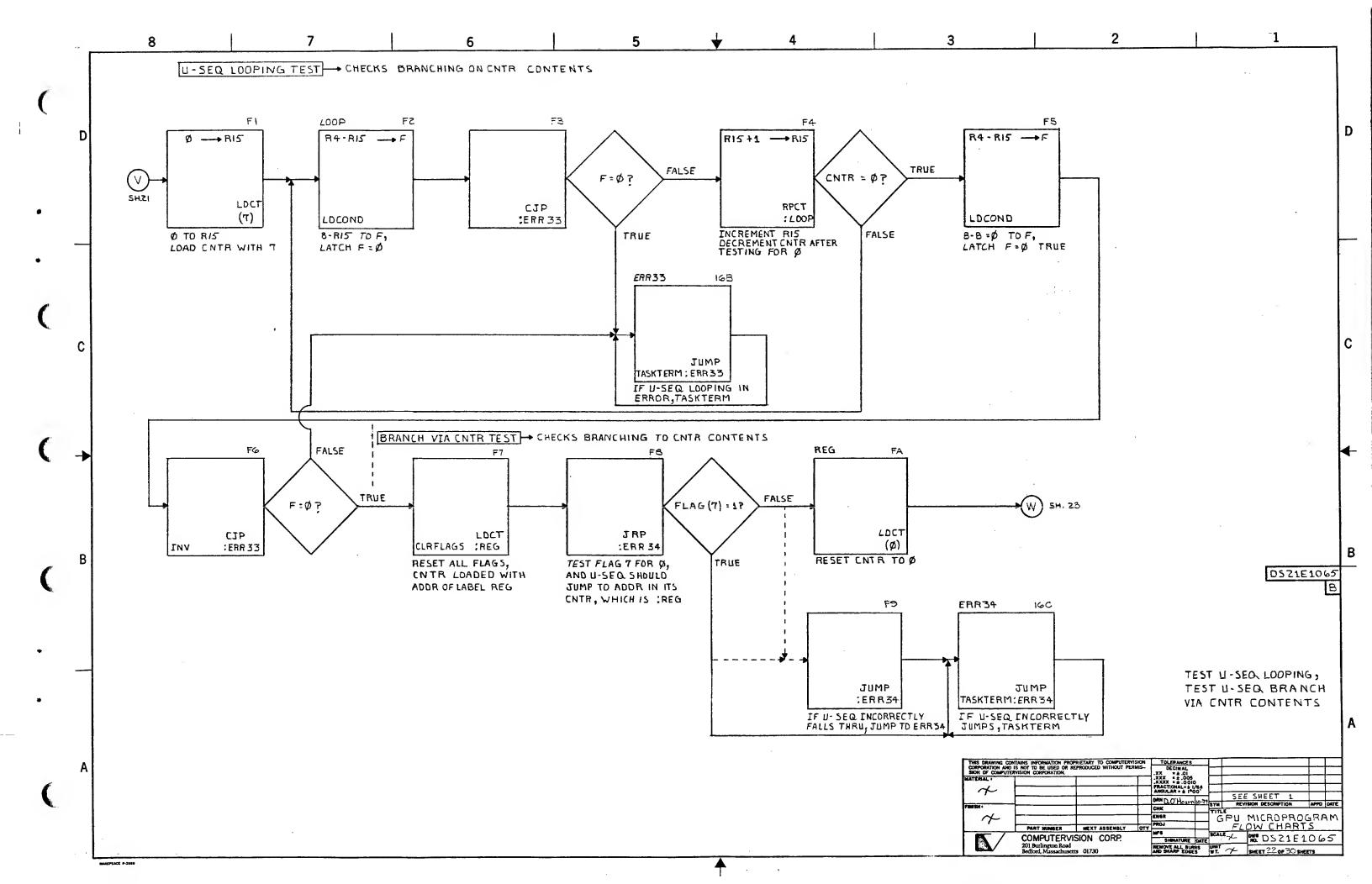


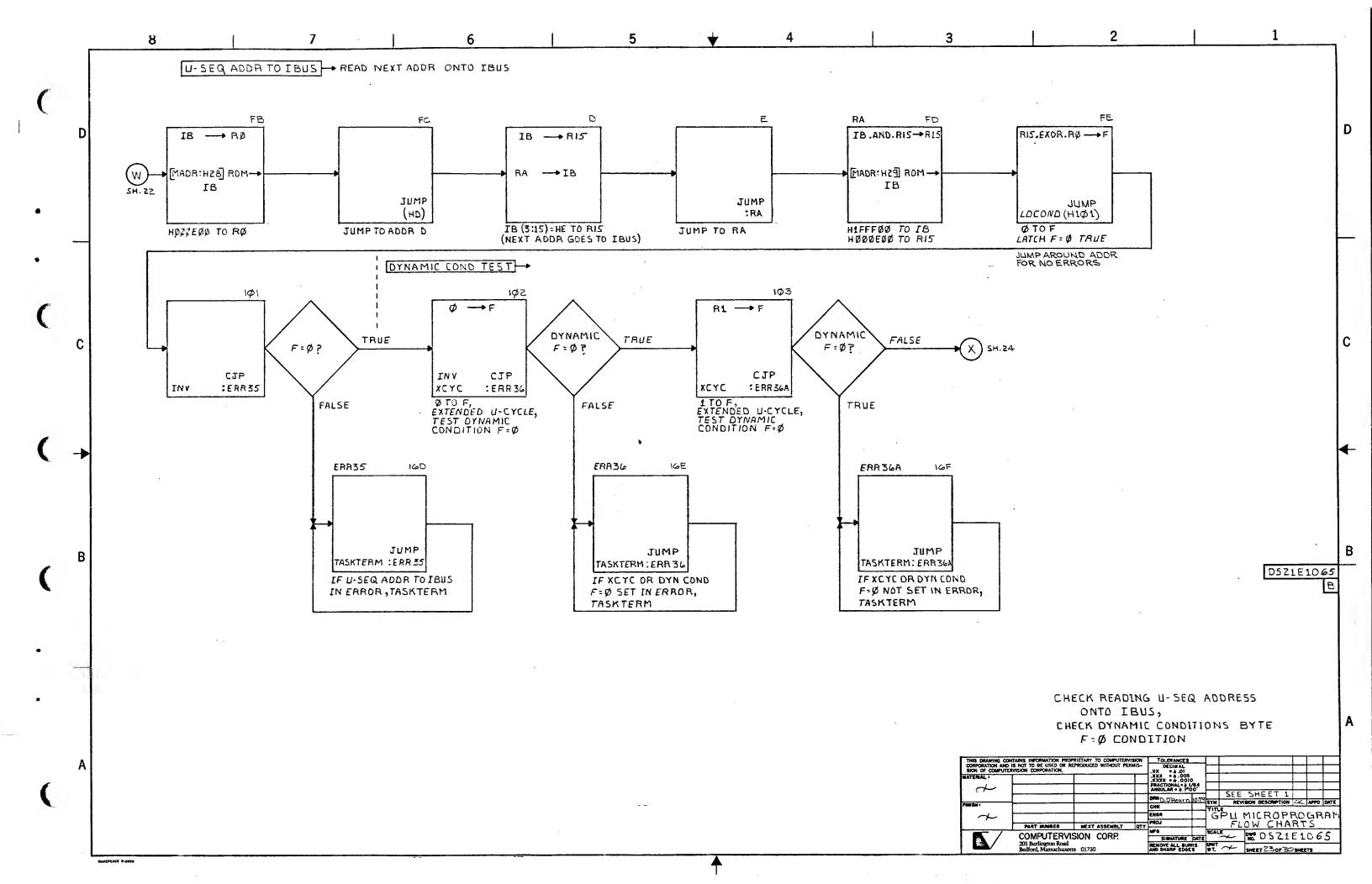


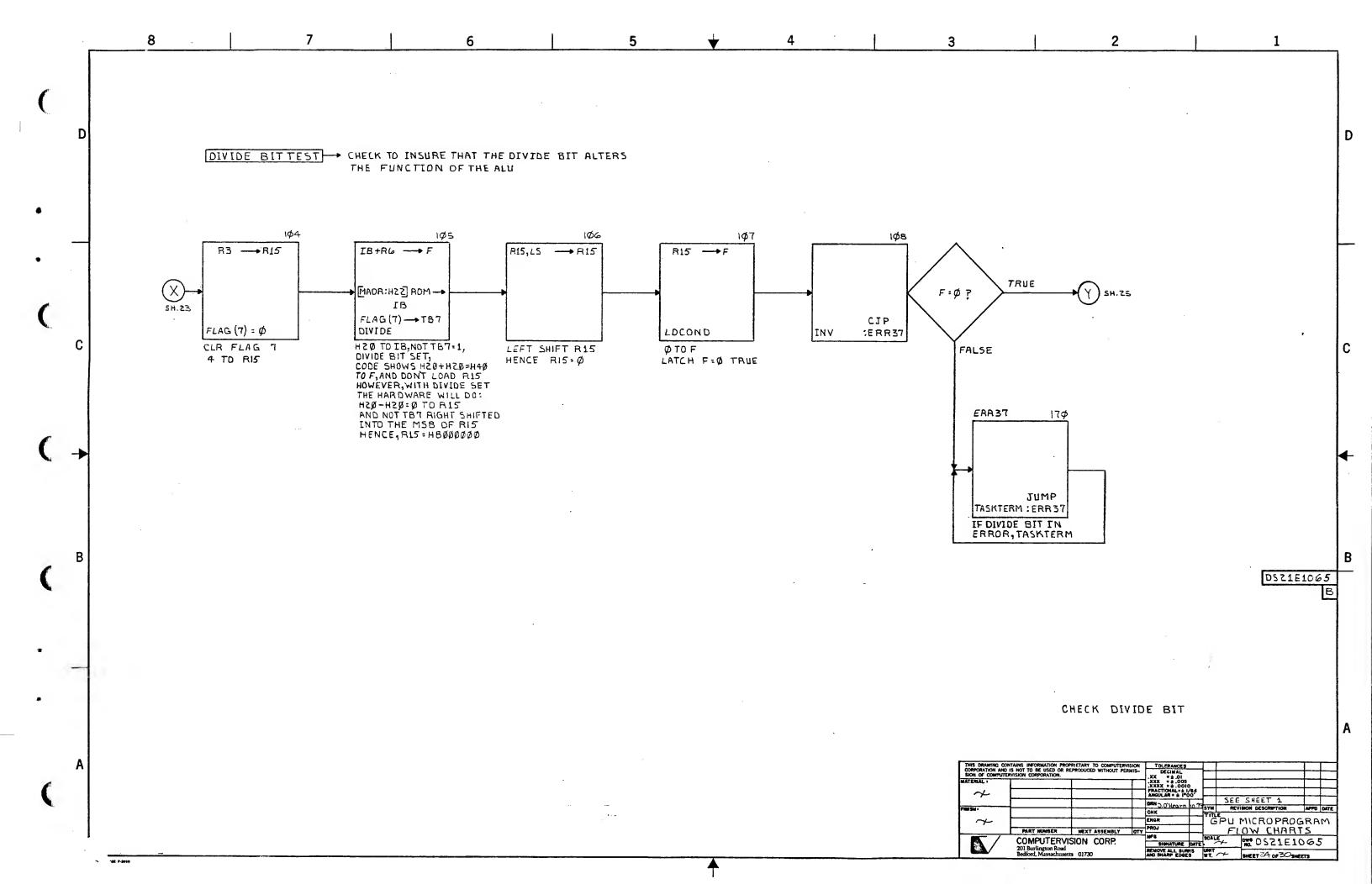


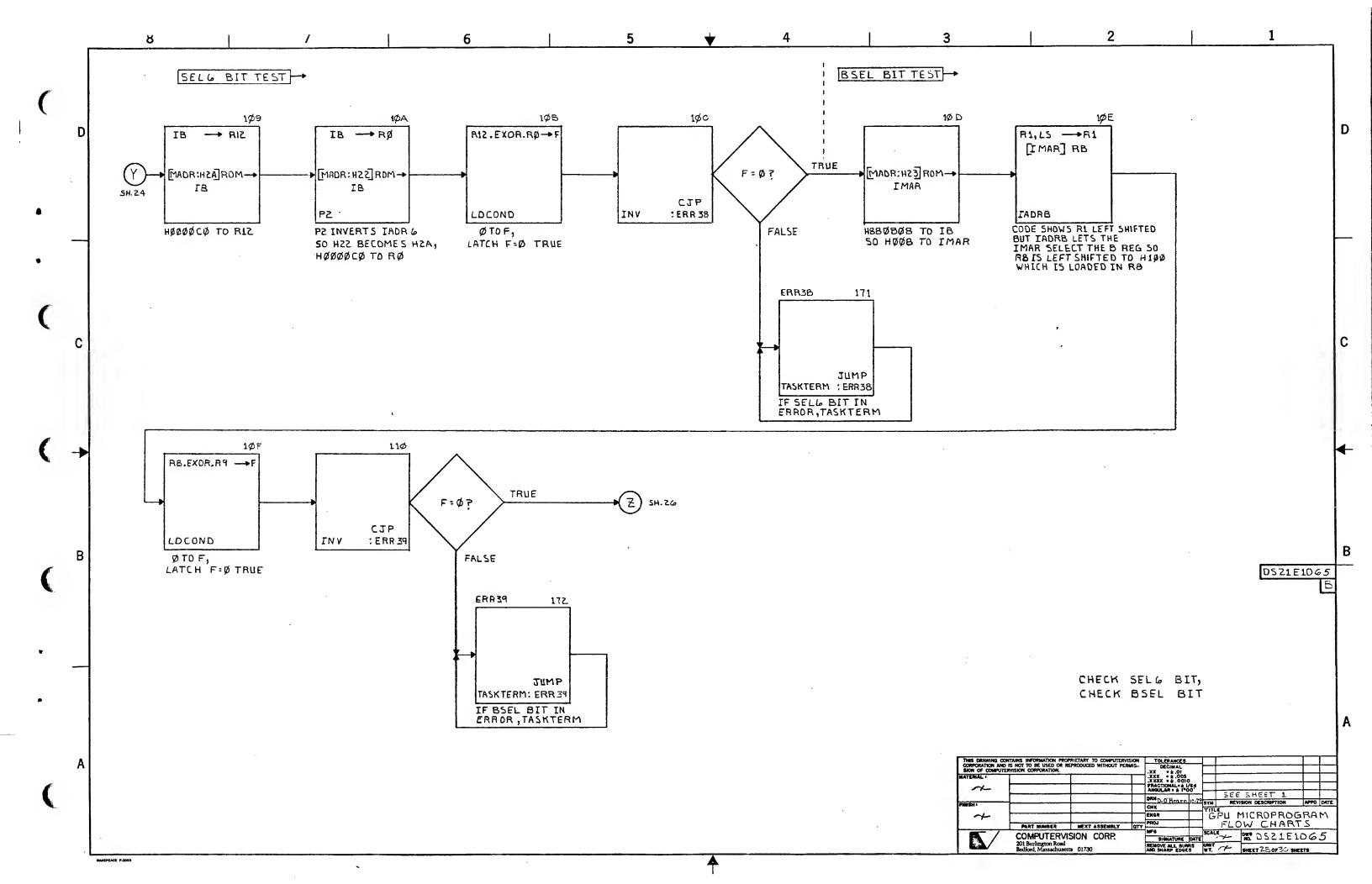


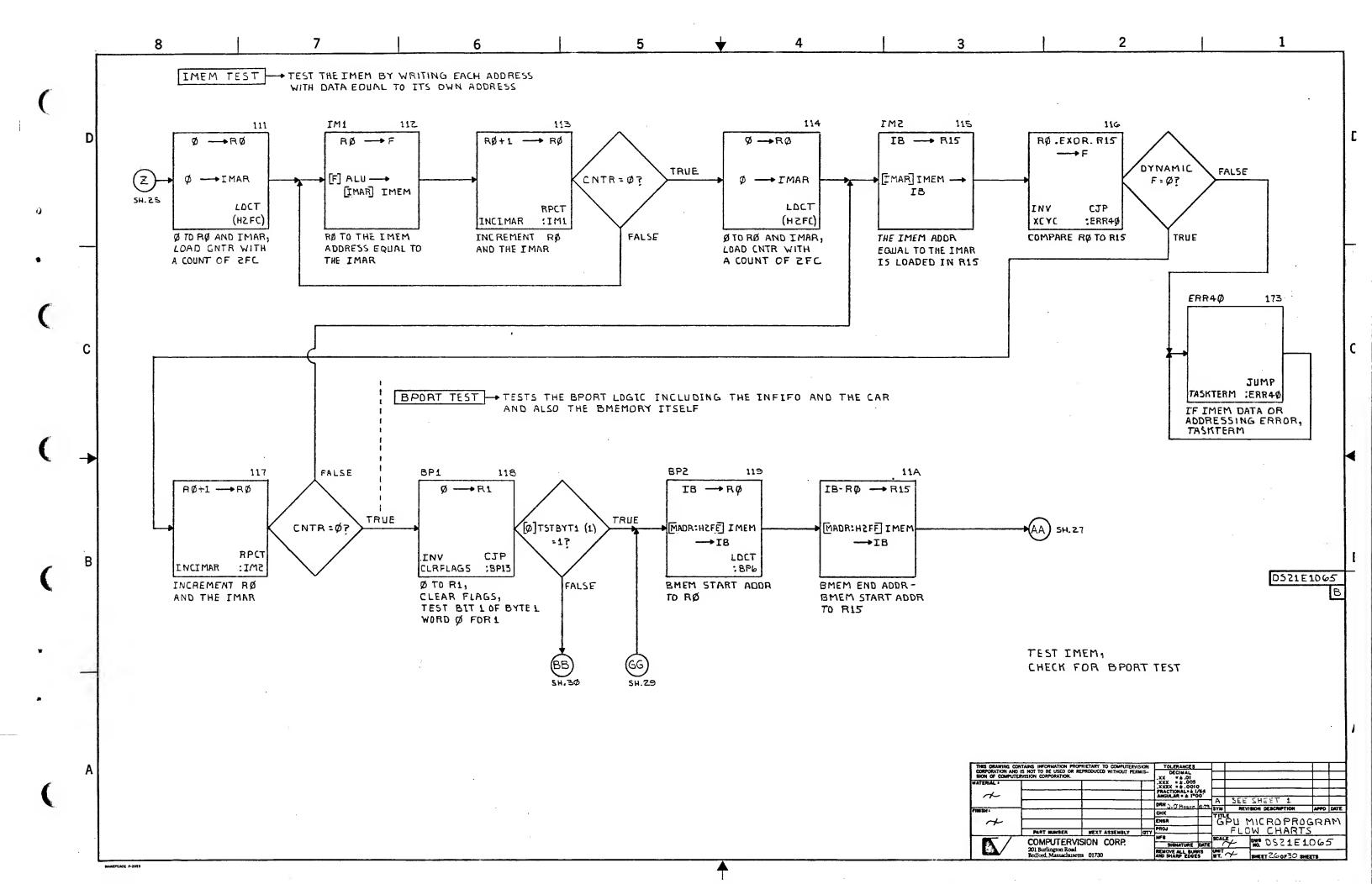


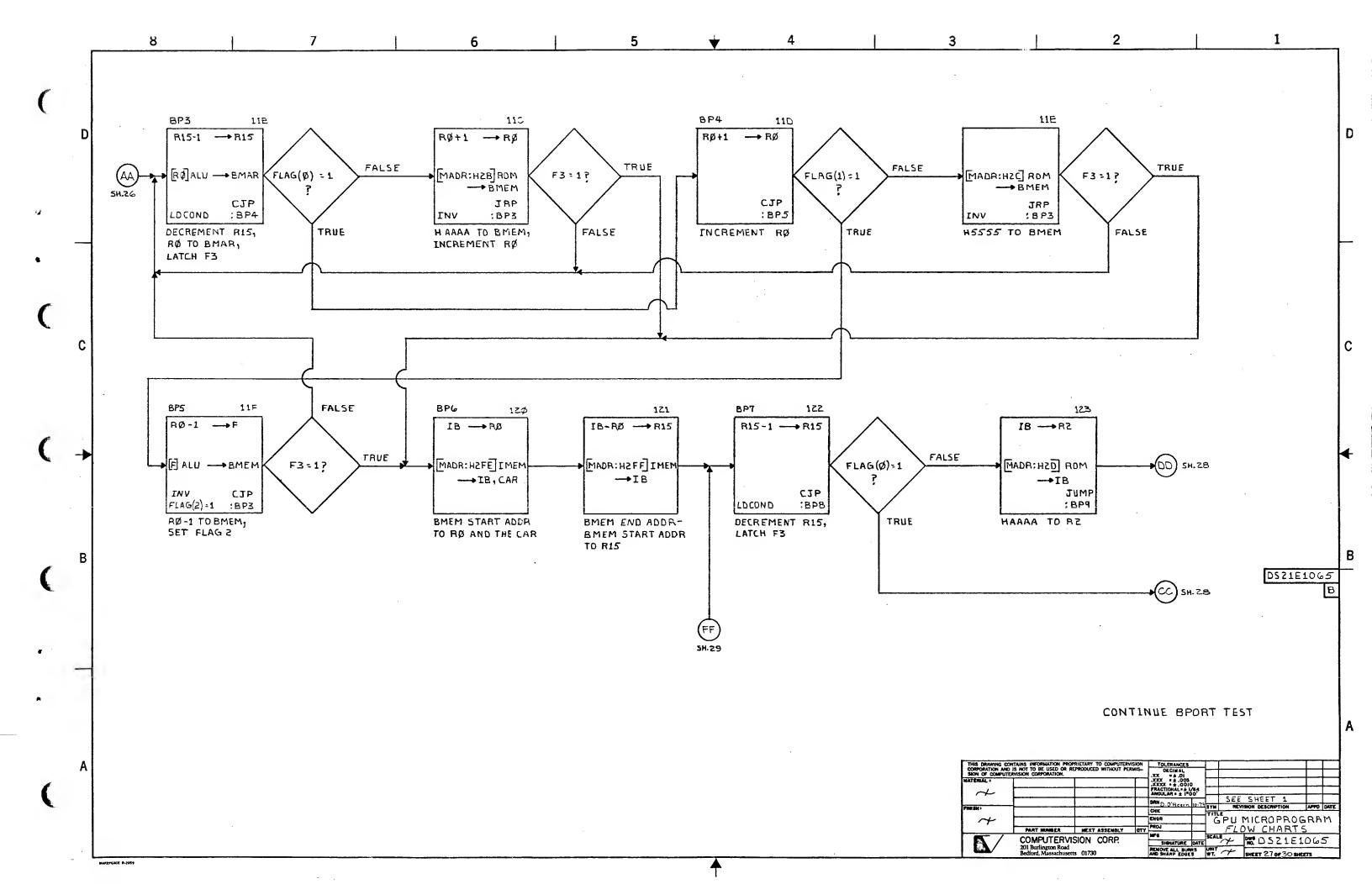


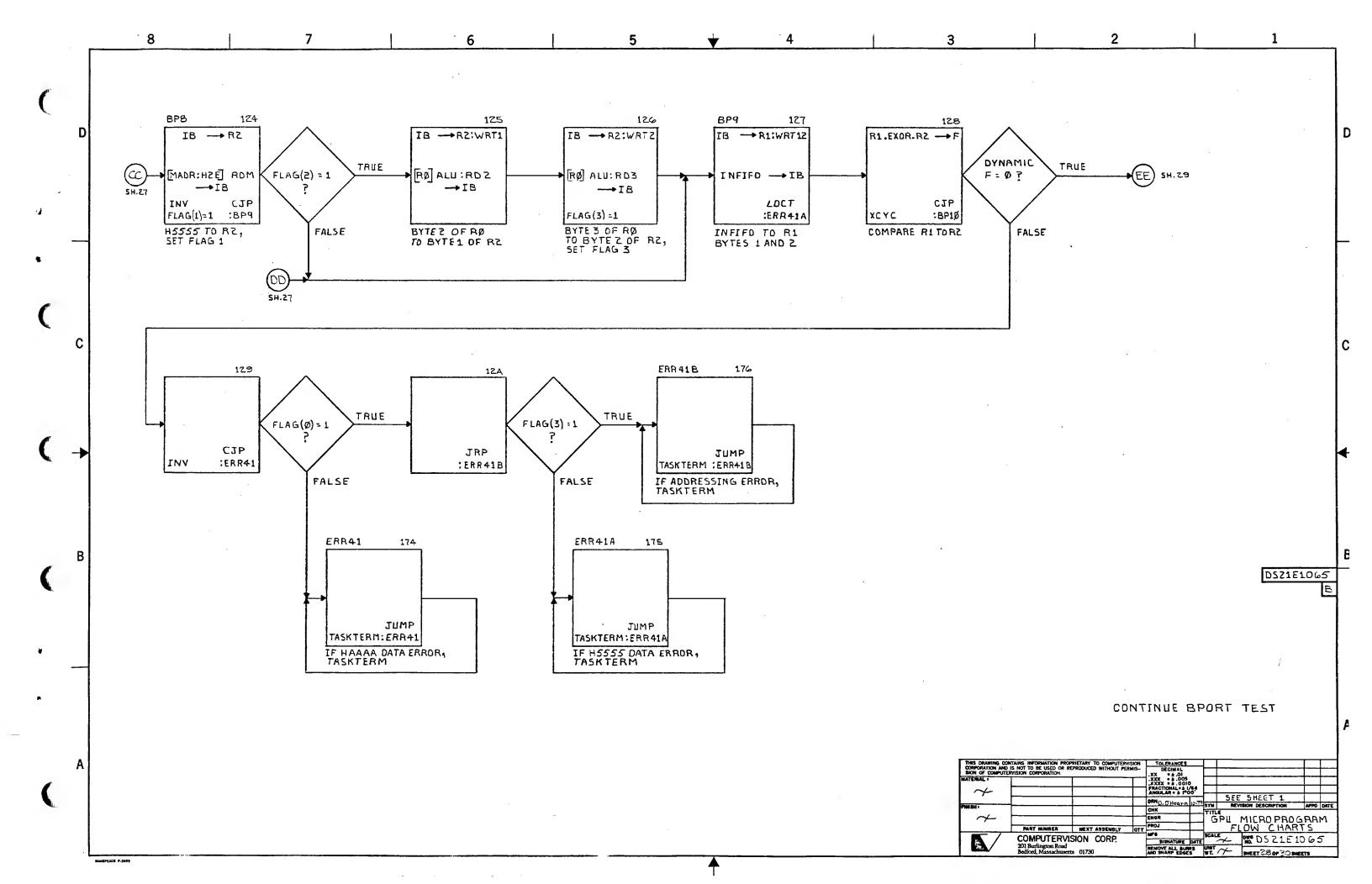


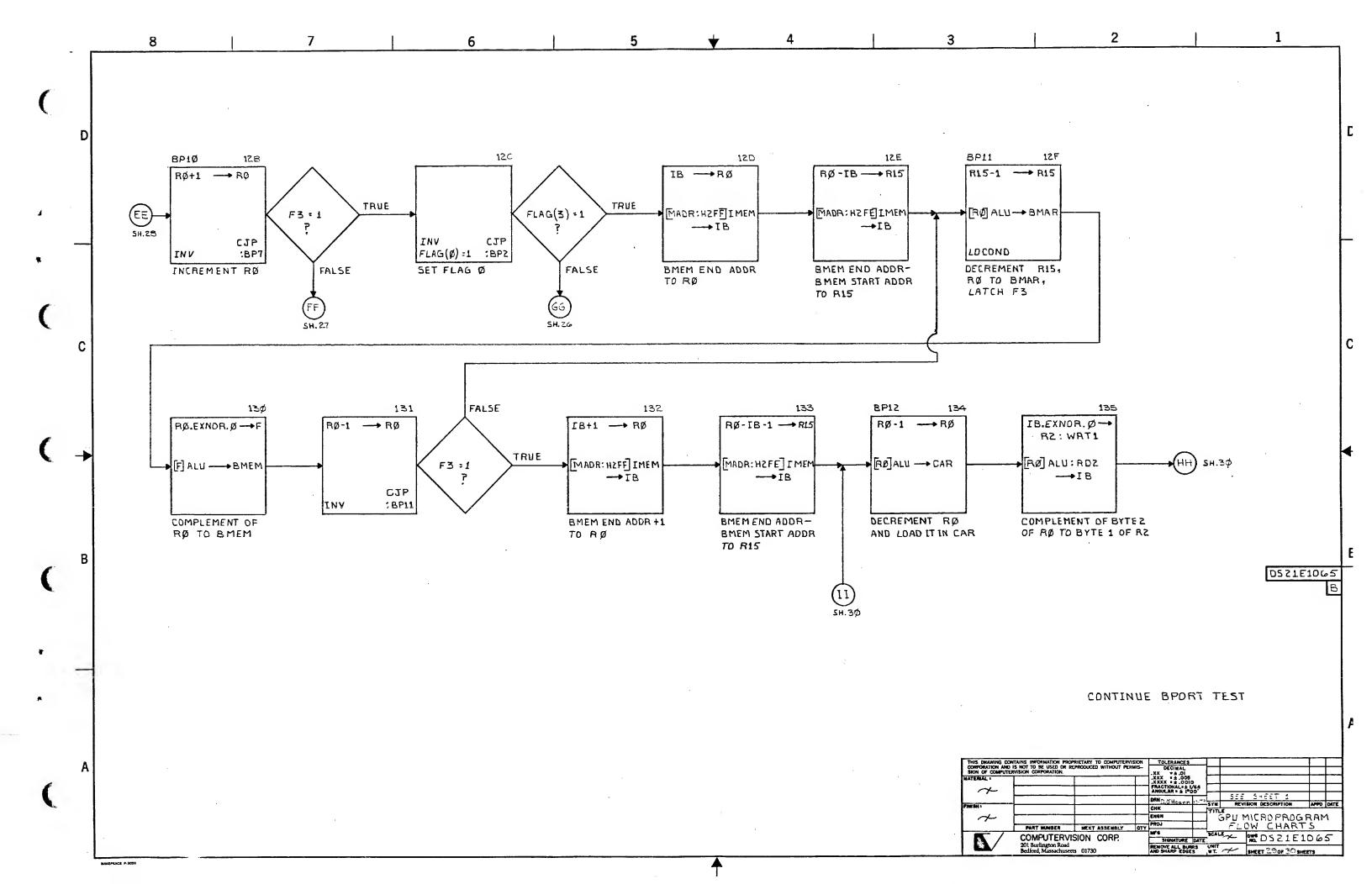


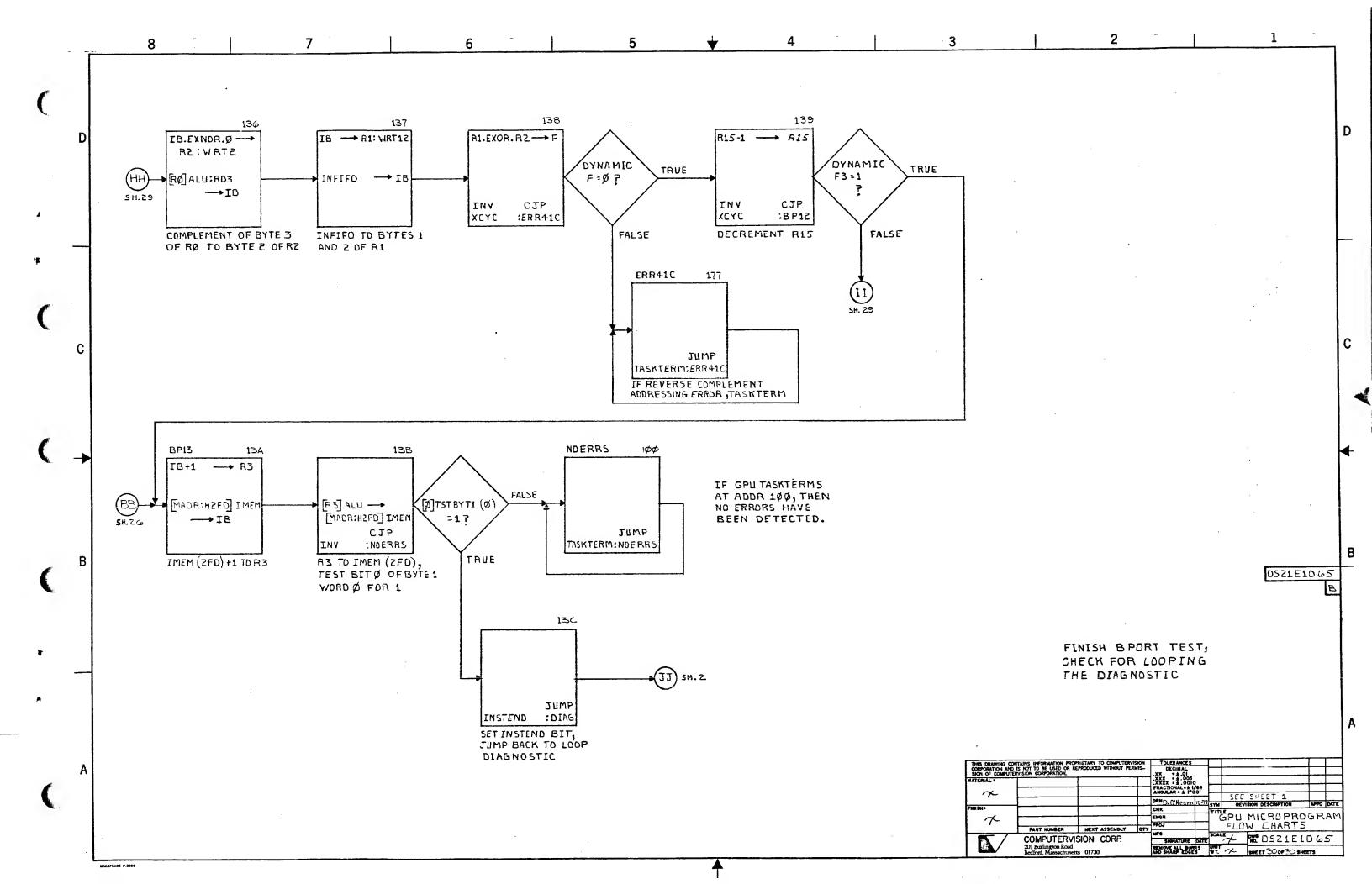












REMARKS FORM

TITLE:		_
Order No.:		
TECHNICAL or EDITORIAL E	RRORS (include page number)	:
SUGGESTIONS FOR IMPROVI	EMENT:	
	FROM: (Please print)	
NAME:		DATE

(
*			